Feed Situation

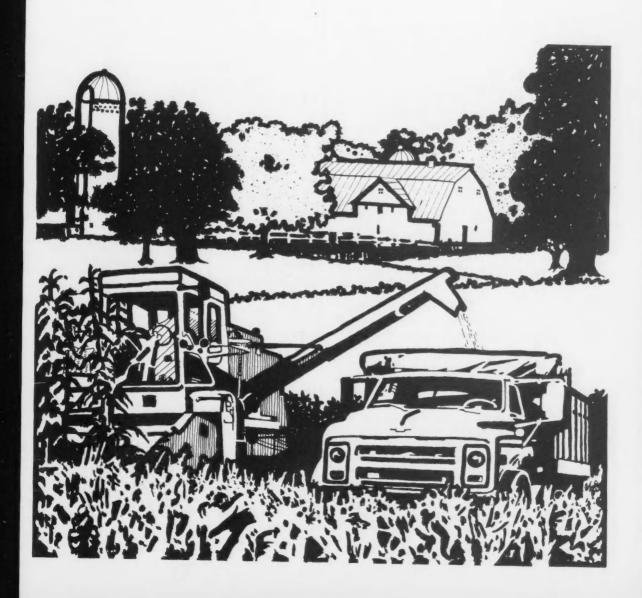
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1/ INCLUDES TOTAL GOVERNMENT LOANS (ORIGINAL AND RESEAL). 2/ UNCOMMITTED INVENTORY. 3/ PRELIMINARY. 4/ EXCLUDES SUPPORT PAYMENTS. 5/ AVAILABLE FOR TOTAL FEED GRAINS ONLY. 6/ OCTOBER-APRIL 1977/78 AVERAGE. 7/ DISASTER PAYMENTS. * REFLECTS RELATIVELY FAVORAPLE PRODUCTION CONDITIONS WORLDWIDE.

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SUMMARY

Feed Grain Prices Up Moderately; Acreage Reduced In 1978

Feed grain prices were up moderately during the past month as livestock and poultry feeding increased and exports were heavy. Recent rises followed the wide price variations last winter caused by weather conditions which hampered grain movements as buyers competed to fill their requirements from limited supplies available for immedi-

ate delivery.

Demand for grain is expected to continue strong, and prices likely will strengthen a little more during the rest of the 1977/78 marketing year. Large placements of grain in the 3-year reserve will help strengthen prices as all 1977 corn and sorghum under loan became eligible on May 1 for the farmer-held reserve. Prospects for 1978 crops will have more bearing on prices later this spring and sum-

Both domestic use of feed grains and exports likely will be larger in 1977/78 than the year before. Domestic use is projected at about 136 million metric tons, 4 percent more than in 1976/77mainly the result of increased livestock and poultry feeding. Exports are projected at a record 52 million tons, 2 percent more than the previous record in 1976/77.

But the record 1977 feed grain supply is well above prospective use, and stocks at the end of the 1977/78 marketing year will be up sharply to around 44 million metric tons-about 14 million above the year before. However, about a third of the carryover may be held by farmers in the 3-year reserve and, therefore, will be isolated from the market unless prices rise appreciably.

Larger supplies and lower prices of oilseed meal are contributing to expanded livestock feeding.

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Since late fall, disappearance of soybean meal in relation to grains has been unusually heavy. Heavier feeding of protein concentrates apparently is in response to profitable hog and broiler feeding and anticipated higher prices for feeder calves and fed cattle.

April 1 prospective plantings of 123 million acres of feed grains are 4 percent below 1977 plantings, mostly reflecting planned grower participation in the last year's set-aside program. But corn, at 80.2 million acres, would be down 3 percent. Sorghum acreage of 15.9 million acres would be down 6 percent, oat acreage would be down 8 percent, and barley acreage down 6 percent.

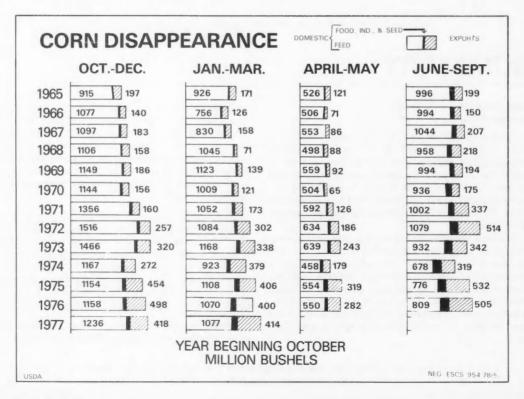
But acreages actually planted often vary from intentions because of developments in weather and economic conditions and changes in farmers' market outlooks. And this year, the April intentions are more difficult to assess because of changes in the 1978 feed grain, cotton, and wheat programs announced at the time the survey was being conducted. The program changes are likely to encourage grower participation and further reduce feed grain acreage from April 1 indications.

Soil moisture supplies in principal grain growing areas are much improved from a year ago when dry conditions prevailed. But persistent cold, wet weather has delayed crop plantings this spring. As a result, more uncertainty than usual at this time of year surrounds new crop production and utilization prospects.

Therefore, instead of making a specific estimate of how harvest and utilization may turn out, two possibilities are outlined—one representing favorable cropping conditions both here and abroad; the other, unfavorable cropping conditions. The chances are about 2 out of 3 that production, use, and prices will be within these projected ranges.

With favorable conditions, U.S. feed grain harvests in 1978 could exceed last year's record 202 million metric tons. Domestic feeding would likely continue to increase for the fourth straight year in response to favorable livestock-feed price relationships. But with large crops abroad, exports would decline, U.S. carryover stocks would build for the fourth consecutive year, and farm prices would average near loan levels, unless excess supplies are placed in the grain reserve, which will be available for 1978 crops.

With unfavorable production conditions, output would be substantially smaller. There would be some reduction in domestic feed use as feeders curbed expansion plans. But reduced world supplies would lead to larger exports. Carryover stocks would be reduced and feed grain prices would be higher.



FEED SITUATION

EARLY OUTLOOK FOR 1978

Implications of Plantings Report

April 1 Prospects Point To Moderate Reduction In Feed Grain Acreage

There is more than the usual uncertainty this year about how actual plantings may differ from April 1 prospects. This is due to several factors. Farmers may not have been able to fully consider their alternatives under the 1978 Feed Grain Program. Also, some additional features of the programs relating to feed grains, wheat, and cotton were announced on March 29,—too late for consideration by farmers responding to the April 1 prospective plantings survey.

In addition, spring weather is late this year and field work has been delayed by frozen ground and excessive moisture in many of the important grain growing areas. This raises questions concerning what crops will actually be planted and what the yields may be. Late planted corn yields, for instance, usually are less than those of early planted varieties. When corn planting is substantially delayed, growers are likely to switch to soybeans. But the current ample moisture is a positive production factor.

Farmers reported as of April 1 that they expected to plant a total of 123 million acres to corn, sorghum, oats, and barley—4 percent less than last year's plantings. It appears that most of this reduction was due to growers' plans to participate in the set-aside program.

The April prospective plantings report pointed to smaller plantings of each of the four feed grain crops than were indicated in the January prospective plantings report. So it appears that participation in the feed grain program will be larger than was indicated at the first of the year. For the three feed grain crops included in the 1978 feed grain program, April prospects compared with January prospects showed prospective corn acreage down 1 percent, sorghum down 9 percent, and barley down 5 percent. Grower intentions for oats as of April 1 were 6 percent below January 1.

As of April 1, farmers were intending to plant 80.2 million acres of corn, 3 percent less than in 1977. Intended plantings were down from last year in all regions. The largest acreage reductions were in the major growing areas, where intended plantings were down 1 percent. But the largest percentage reductions were in the South Central and South Atlantic States, which were down 13 and 14

percent, respectively, where growers are shifting to soybeans.

Farmers indicated plantings of 15.9 million acres of sorghum for all purposes in 1978. This would be 6 percent less than 1977 plantings, 13 percent less than 1976 plantings, and the smallest sorghum acreage since 1962. Texas still is the leading sorghum producing State, with intended plantings of 5.1 million acres, 32 percent of the U.S. total, although intentions were 9 percent below 1977 plantings. Kansas farmers' intended plantings of 4.7 million acres are down 3 percent. Nebraska farmers intended to plant 2.25 million acres, a reduction of 6 percent from 1977, and Missouri plantings of 0.9 million acres would be down 5 percent. These four States account for 81 percent of U.S. sorghum acreage. Most of the reduction in planting intentions since January 1 occurred in Kansas, Texas, and Missouri.

Barley acreage planted last fall plus intended plantings this spring total 10.0 million acres. This is down 6 percent from 1977, but 9 percent above 1976. The April 1 barley plantings intentions are 5 percent below the January 1 intentions in the comparable States.

Of the four leading barley-producing States, North Dakota indicated an 11-percent decrease and Montana a 5-percent decrease; California's was unchanged; and Minnesota, up 5 percent. These four States account for 62 percent of the indicated U.S. barley acreage.

Oat planting intentions totaled 16.4 million acres, down 8 percent from 1977. Grower intentions as of April 1 were 6 percent below the level they intended to plant on January 1. Much of the decline results from growers shifting from oats in favor of the set-aside crops in order to maximize program returns and protection. Of the six States with more than 1 million acres, the following decreases in acreage from 1977 are indicated: North Dakota, 21 percent; South Dakota, 20 percent; Minnesota, 17 percent; and Iowa, 6 percent. Wet weather has seriously hampered spring seeding.

Farmers indicated on April 1 they expected to cut 60.8 million acres of hay in 1978, an increase of 1 percent over both 1977 and 1976. Major hay States expected to harvest larger acreages in 1978 are Colorado, Kansas, Kentucky, Montana, Nebraska, New York, North Dakota, Pennsylvania, Tennessee, and Wyoming. Major States expecting

Planted Acreage

Crops	1976	1977	Indicated
		Million acre	s
Feed grains			
Corn	84.4	82.7	80.2
Sorghum	18.4	17.0	15.9
Oats	16.7	17.8	16.4
Barley	9.2	10.6	10.0
Total	128.7	128.1	122.6
Wheat, all	80.2	74.8	65.4
Rice	2.5	2.3	2.6
Rye	2.7	2.7	2.9
Soybeans	50.2	59.1	63.7
Flaxseed	1.1	1.5	1.0
Sunflowerseed*	.8	2.3	2.7
Sugarbeets	1.5	1.3	1.3
Dry edible beans	1.5	1.4	1.5
Upland cotton	11.6	13.6	12.8
Sub total	280.8	287.1	276.5
Hay ²	60.3	60.5	60.8
Grand total	341.1	347.6	337.3

¹Based on April 1978 Prospective Plantings. ²Harvested acreage, *Minn., N. Dak., S. Dak. and Texas for 1977 and 1978; Minn. and N. Dak. for 1976.

Hay

Year	Acreage harvested	Yield per harvested acre	Produc- tion	Season average price
	Million	Tons	Million tons	Dollars per ton
1969	59.7	2.11	126.0	24.70
1970	61.5	2.06	127.0	26.10
1971	61.4	2.10	129.1	28.10
1972	59.7	2.15	128.6	31.30
1973	61.8	2.17	134.2	41.60
1974	60.2	2.10	126.4	50.90
1975	61.3	2.16	132.2	52.20
1976	60.3	1.99	120.0	60.30
19771	60,5	2.17	131.1	54.00
1978	² 60.8	32.12	³ 129.0	53.00

¹ Preliminary, ² April 1 Prospective Plantings, ³ Projected.

to harvest less acreage in 1978 are California, Idaho, Missouri, and Texas.

Soybean acreage for 1978 is expected to be record high at about 63.7 million acres, 8 percent more than the 1977 crop of 59.1 million acres, which was the previous record high.

Production Possibilities

Moisture conditions through early May generally were much more favorable for crop production than they were a year ago, when subsoil moisture supplies were short in practically all areas. Soil moisture this spring is adequate to surplus in the Midwest. The prolonged drought has ended in Cali-

fornia and most other areas of the West. Only in parts of the Southern Plains are soil moisture supplies short. Despite these generally favorable conditions, land preparation and seeding of small grain crops is lagging in principal producing areas because of wet or saturated soils and below normal temperatures. This raises some concern about the small grain crop outlook, particularly for oats.

The early-season outlook for 1978 crops cannot be clearly defined because of uncertainties about production conditions, farmers' response to grain programs, and how economic developments over the next few months will affect harvests, prices, and utilization of crops this year.

For this reason, two grain supply and use alternatives are outlined. The first assumes that crop production worldwide will be relatively high because of generally favorable planting, growing, and harvesting conditions. The second assumes that crop production worldwide will be relatively low because of generally unfavorable conditions. Chances are about 2 out of 3 that the final outcome of 1978/79 grain production and utilization will fall within this range.

If cropping conditions are generally favorable in the United States and the rest of the world, crop production could be larger than grain utilization in 1978, putting downward pressure on prices and resulting in a further buildup in stocks. However, prices in the United States in 1978/79 probably would still average around 1977/78 levels. Soybean prices, however, would probably average below 1977/78 levels.

With favorable cropping conditions, U.S. feed grain production could exceed the 1977 record 202 million metric tons. Feeding rates likely would increase because of favorable livestock-feed price relationships. Exports would decline because of large crops abroad. U.S. carryover stocks would increase for the fourth consecutive year, and farm prices would average near loan levels, unless excess supplies are placed in the reserve program, which will be available for 1978 crops.

But if cropping conditions are not generally favorable in the United States and the rest of the world, crop production could be less than grain utilization in 1978/79, which would cut into stocks. Domestic feeding would decline somewhat, but exports would be larger because of poor crops abroad. Under this set of circumstances, prices would run significantly higher than in 1977/78 and carryover stocks would decline well below the levels estimated for next October I.

Recent Farm Program Developments

It was announced March 29 that farmers would receive land diversion payments on their 1978 feed grain crops if they set aside acreage equal to 10 percent of their 1978 plantings for harvest of corn, sorghum, and barley in addition to the 10 percent set-aside required for participation in the program. Thus, farmers would have to set aside acreage for harvest equal to 20 percent of their 1978 plantings of corn, sorghum, and barley for harvest in order to qualify for diversion payments. Also, 1978 planted acreage of these crops cannot exceed 1977 plantings.

Diversion payments will be 20 cents per bushel for corn and 12 cents per bushel for sorghum and barley. At signup, participants may receive an advance payment of 10 cents per bushel for corn and 6 cents for sorghum and barley. Payments will be calculated by multiplying these rates by the farm's established yields, times the actual acreages planted for harvest. For example, on a farm with an established yield of 100 bushels of corn per acre,

a farmer who plants 100 acres of corn and has 20 acres of set-aside (10 acres under the initial provisions required for participation in the program and 10 acres under the new paid diversion feature) would receive diversion payments of \$2,000 (20 cents times 100 bushels times 100 acres).

The formula would be the same for sorghum and barley but the rate would be 12 cents per bushel and the farm's established yields for these crops

would differ from its corn yield.

If a farmer wants to figure how much per acre he is being paid to keep land out of production he would divide his total diversion payment by the total number of acres set aside and diverted. On the corn example above, the farmer's \$2,000 diversion payment would be divided by the 20 acres set aside and diverted from production, which would be \$100 per acre.

WORLD COARSE GRAIN SITUATION AND OUTLOOK¹

Weather Generally Favorable **Over Grain Areas**

Estimated soil moisture supplies through April were generally above normal in the European USSR and the agricultural areas east of the Volga River. Well above normal temperatures in March initiated vegetative growth 15-20 days earlier than normal in several areas. However, unusually cold weather and above normal precipitation in April have delayed spring grain planting.

In North Africa, light scattered April 17-23 showers fell in Tunisia, but no significant rainfall touched Morocco or Algeria.

Cool weather dominated much of Western Europe during the first half of the week (April 17-23). Light to moderate precipitation was recorded in Western Europe and Northern Spain. Moderate to locally heavy showers dampened Northern Italy, but moisture was light and scattered in other regions of that country. Rainfall in Eastern Europe was generally light to moderate.

Moderate to heavy April showers dampened Buenos Aires province, but generally dry weather favored harvesting and other fieldwork elsewhere in Argentina.

In Australia, April rainfall was moderate over the western territory, but little significant rainfall fell in the other principal grain areas. As planting time nears for winter grains, moisture conditions remain fairly good in most areas except South Australia which continues to suffer from a serious drought.

Wrap-up of the 1977/78 Situation

World coarse grain producers harvested 690 million metric tons in 1977/78, slightly less than last season's record harvest despite a 20-percent drop in USSR output and declines for Brazil, Australia, and Thailand which were affected by drought. These shortfalls were offset by Western Europe's recovery from the severe 1976/77 drought and record U.S. output.

Concluding the season's harvest sequence are the Southern Hemisphere's corn and sorghum crops now being combined in Australia, Argentina, Brazil, and South Africa. With dry conditions occurring over several areas, these countries are expected to harvest around 50 million tons of coarse grains, which would be down 4 percent from last year. Still, this is substantially more production than expected earlier.

... Australia's 1977/78 coarse grain crop which has been hit by drought is estimated at 4.4 million tons, 14 percent below last year's harvest. The sorghum crop is estimated at 0.6 million tons, down 36 percent, and the barley harvest was estimated at 2.3 million tons, down 21 percent.

... Brazil's 1977/78 coarse grains production (mainly corn) has been adversely affected by drought and is estimated at 15.1 million tons, down 22 percent. In addition to drought, low support rate reduced planting too. This reduction and strong domestic demand may cause Brazil to import corn.

Based primarily on the Foreign Agricultural Service's World Grain Situation Circular, May 1978.

...Argentina's 1977/78 coarse grain harvest is estimated at 16.9 million tons, down 2 percent from last year. This year's corn and sorghum harvests are estimated at 16 million tons, up 3 percent, but the oat and barley crops which were harvested last December were hit hard by drought and were down by 35 and 16 percent, respectively.

...South Africa's 1977/78 coarse grain harvest, which was saved by good January rains from an early season drought, is estimated at 10.4 million tons, up 3 percent over last year. The corn crop is estimated at 9.8 million tons, up 2 percent over last year.

World coarse grain exports for 1977/78 are estimated at 81.3 million tons (excluding intra EC-9 trade), slightly below last year's level. The principal U.S. competitors will account for 25 percent of world exports and the United States 63 percent; the U.S. share is up 1 percent over 1976/77 while the share of major competitors will be off 2 percent.

World coarse grain ending stocks² for 1977/78 are estimated at 81 million tons, up 11 percent from 1976/77 and the largest since 1971/72. U.S.

stocks account for around 50 percent of the world's total carryover.

World 1977/78 wheat and coarse grain consumption reached 1.073 million tons which would be a second straight record. This results mainly from the continued strengthening of the feed complex which now seems likely to use around 447 million tons in 1977/78. U.S. feed use, forecast at 123.3 million tons, would be up from last year but still below the levels reached in the early 1970's. The USSR's feed use of wheat and coarse grain for 1977/78 at 115 million tons would be up 6 percent over 1976/77 as livestock inventories showed relatively good improvement over vear-earlier inventories in most classes of livestock. However, total consumption of grains for feeding in Western Europe for 1977/78 is estimated at 97 million tons, up more than 2 million tons over last season.

World 1978/79 Coarse Grain Projection

World coarse grain production for 1978/79 is projected under two alternative assumptions: generally favorable worldwide and generally unfavorable worldwide crop conditions. Under the former, total non-U.S. coarse grain production would be 7 percent better than the 1977/78 output at 488.3 million tons, and under the latter assumption output would be about the same as last year. World total coarse grain output under Alternative I would be 6 percent above the 1977/78 level and 4 percent less under Alternative II.

U.S. OUTLOOK FOR REST OF 1977/78

Concentrate Feeding

Feeding Up 3 Percent During January-March

Much improved livestock feed price ratios have stimulated the feeding of concentrates (grains, oilmeals, animal and grain protein, and other mill feed ingredients) this season. In January-March, concentrate feeding totaled 44 million metric tons, 3 percent above a year earlier. For October-March, total feeding was 92 million tons, up 4 percent from that period in 1976/77.

Livestock feeders usually make decisions on their concentrate feeding operations during the October-September feeding year—at least in broad outline—in the fall after feed crops have been harvested and movement of calves off pastures and ranges is heavy. Feed costs have a bearing on livestock feeders' profit expectations and so influence the number of farrowings and the number of cattle placed on feed. Feeding rates per animal usually vary with feeding margins. Poultry feeders can

respond more quickly to changing market conditions and sometimes adjust their feeding plans several times during the year.

On balance, the beef cattle, dairy, and poultry feed users will have the greatest impact on increased feeding of concentrates this season, while the hog sector will perhaps contribute the least.

Strong Feed Demand by the Beef Cattle Industry Seen

The Nation's beef cattle herd on January 1 declined for the third straight year as cow-calf operators continued to cull cows heavily because of continued poor returns from feeder calves. Despite the 3-percent smaller calf crop in 1977, calves are being placed on feed at record levels, reflecting low feed costs and optimism for higher prices of fed cattle. The very strong demand for feeder calves is evidenced by record feedlot placements and strong

²Stocks data are based on an aggregate of differing local marketing years and should not be construed as representing world stock levels at a fixed point in time. Stock data are not available for all countries and exclude those in such areas as the People's Republic of China and Eastern Europe.

prices. Thus, strong demand for feed by the cattle industry is virtually assured for the next several months. However, feeders are bidding very high prices for calves and feed costs also have risen somewhat more than seasonally since last fall. Prices and returns of cattle going to market this summer along with feed crop prospects largely set the stage for feed demand by cattle feeders in 1978/79. It appears that unless fed cattle prices advance further from the present \$53-\$54 level, feeding margins may narrow by summer.

Hog Feeding Expectations Lowered

Farrowing intentions during the spring and summer of 1977 pointed toward 8 to 10 percent more pork production during October-September 1977/78. But it now appears that pork production this season will be only the same as in 1976/77. Recent pig crop reports indicate that hog feeding during April-September may be only about level with a year earlier. Products have indicated plans to reduce their June-August farrowings by 2 percent. In this event, feed demand by the hog sector could continue sluggish through autumn.

Dairy Sector Feed Demand Up

With the recently announced increased milk price support, dairymen likely will continue to feed their cows large quantities of concentrates. Last winter was especially harsh and dairymen reportedly fed about 4 or 5 percent more concentrates. In many cases, the proportion of high protein feeds in the ration likely was increased to help offset poor quality forage. Milk production is expected to stay at a high level, a factor that will also help to support demand for feed.

Record Large Broiler Production Contributes to Feed Expansion

The broiler industry, with its quick turnover time for production response, is reacting to strong pork and beef prices. Last fall, broiler production was up only 3 percent but it was up around 8 percent during January-March. Reports are that all eggs from the broiler hatchery supply flocks are being utilized. Broiler output for the rest of the feeding season will likely average between 6 to 8 percent more than last year.

Egg output in 1977/78 is estimated to be 3 percent more while turkey production may be up by 4 percent.

Grain Feeding

The volume of feed grains fed during October-March totaled 721/2 million metric tons, 4 percent above a year earlier. Feeding for the entire year is

Feed concentrates consumed by livestock and poultry

	Year I	peginning Octo	ober 1
Item	1975	1976²	1977 ³
	Mi	llion metric to	ons
Annually:			
Concentrates			
Supply	235.3	248.8	268.9
Fed			20015
Feed grains	115.6	112.5	117.8
Wheat	1.5	6.5	3.5
Rye	.2	.1	.3
By product			
feeds	33.4	31.1	33.5
Total, fed ,	150.7	150.2	155.1
		Million	
Grain-consuming ani-			
mal units (GCAU's)4			
Dairy cattle	12.3	12.3	12.1
Cattle on feed	19.8	19.2	20.7
Other cattle	5.5	5.3	4.8
Hogs	17.4	19.4	20.4
Other livestock	18.0	18.3	19.0
Other livestock	1.4	1.4	1.8
Total	74.6	75.9	78.8
		Tons	
Concentrates fed			
per GCAU	2.02	1.98	1.97
	М	illion metric t	ons
O-ul- d-			
Periods: Concentrates fed			
OctDec	46.7	45.9	48.4
JanMar	45.6	45.9	44.0
AprMay	22.6	22.1	44.6
June-Sept	35.9	39.3	
		02,0	
Total, year ⁵	150.7	150.2	

Except oat and barley supplies which start June 1. ² Preliminary. ³ Projected. ⁴ Livestock and poultry fed during the October-September feeding year weighted by relative consumption of grain and other concentrates; 1 unit is equal to 1 milk cow. SPeriods may not add due to implied negative wheat feeding in some periods.

Projected Animal Output-October-September 1977/78

Item	Change from 1976/77
Fed beef	+6
Pork	0
Milk	+1
Broilers	+6
Eggs	+4

Livestock-Poultry Feed Price Ratios

	October-A	pril average
	1976/77	1977/78
Beef/steer/corn, Omaha	16.7	22.2
Hog/corn, Omaha	15.6	21.8
Milk/feed, U.S	1.52	1.71
Broiler/feed, U.S	2.4	2.9
	8.0	7.2
Egg/feed, U.S.		

forecast at 118 million metric tons, 4 percent more than in 1976/77.

Wheat feeding in January-March totaled 50 million bushels, bringing the total since last fall to around 64 million bushels, down substantially from the 83 million in that period a year earlier. Wheat feeding during October-September 1977/78 probably will fall well below the 248 million bushels in 1976/77. Prospects are for a smaller wheat crop, a potentially strong export demand again in 1978/79, and more grain insulated from the market through the Government's loan and reserve programs, all leading to stronger wheat prices. Consequently, wheat feeding this summer likely will be significantly below last year's 145 million bushels when wheat prices in many parts of the country were below those of feed grains.

Feeding of Proteins Headed for Record

Apparent feed consumption of high-protein feeds (oilmeals, animal and grain proteins) in the current feeding season is racing toward a record 20.4 million metric tons (soybean meal equivalent), 13 percent above last year and 5 percent above the previous peak in 1975/76. Through the first 6 months, estimated feeding of protein totaled 12 million tons, 9 percent above the year before.

In recent years, it appears that the feeding industry has undergone a sharp change. During the early 1970's, protein feed accounted for only about a tenth of all concentrate feeds. During 1974-76, protein feed made up 13 percent of the total; in the current season, protein likely will account for 14 percent of all concentrates fed.

Rising feed costs since 1972, plus generally thin feeding margins, probably have speeded the feeding industry toward searching for and adopting more efficient feeding practices. The poultry industry, with its generally fixed rations and small profit per unit of output, has been the leader in adopting and using new feeding technology. More hogs are being fed in total confinement. Since prices vary among the grains, feeders can shift different grains in and out of their rations (within limits). Also, cattlemen can shift to forages and roughages if available. However, price movements among protein ingredients are a bit stickier, suggesting that feeders may have less of an opportunity to switch protein in rations. Consequently, the feeding industry's demand response to large changes in protein feed prices may be somewhat less than its response to changes in grain prices.

Soybean Meal Domestic Use Up Sharply

Domestic disappearance of soybean meal from processing plants in 1977/78 is forecast at 15 mil-

lion metric tons, up 17 percent from last year. The hog and poultry sectors are the major users of soybean meal. While broiler production will be heavy this summer, hog production likely will be holding level if producers do not stray far from their earlier plans. Prices between protein and grain this season still favor grain use but to a lesser extent than last year.

Soybean meal prices (44-percent Decatur) since last October averaged \$159 per short ton, \$40 below that of a year earlier. Even with a smaller Brazilian bean crop currently being harvested and Peru's modest fishmeal production, the record-large U.S. bean supply is a moderating influence to a sharper runnup like last year when meal soared to \$276 in April. Meal prices for the entire season are forecast to average somewhat below last year's \$200 per ton.

Molasses

Supplies Level; Prices Off But Rising

U.S. feed molasses supplies for 1977/78 are projected to reach 810 million gallons, not materially different from last year's 813 million (table 23). Production from domestic sources is estimated to be about 5 percent below last year's 430-million-gallon outturn. Beet molasses supplies are down substantially because of the 15-percent smaller sugar beet crop and lower than usual sugar and molasses extraction rates. Despite sugar cane production little different from 1976 levels, U.S. cane molasses output may pull up a little short of the 225 million gallons produced in 1976/77.

With imports projected at 400 million gallons and allowing for exports and other uses of molasses, availability of molasses for domestic feeding in 1977/78 totals around 625 million gallons, about the same as a year earlier.

With the decline in the nation's beef cattle herd, demand for molasses has sagged, leading to a sharp drop in the price of molasses in recent years. For example, cane molasses at New Orleans in 1976/77 averaged \$45 per short ton compared with \$69 in 1973/74. Since last October, prices have averaged a little under \$40 a ton. With stronger cattle prices and heavier placements of animals in feed lots, some strength from the present \$41-a-ton level appears likely over the next few months. Improved milk-feed price ratios also are boosting demand for molasses in the dairy sector.

Corn

Feeding Slows

After increases of 4 percent last summer and 7 percent last fall, corn fed to U.S. livestock and poultry in January-March totaled 1,080 million bushels, only slightly more than a year earlier.

This slowdown apparently was largely due to hog producers' decisions to curb the expansion in farrowings. Earlier they had indicated a substantial increase in the December-February pig crop. But the cold winter, disease problems, and the outlook itself may have caused the slowdown in farrowings, although it is still unclear why hog producers curtailed their expansion plans in view of the improved returns from hog feeding. Current prospects are for about the same number of hogs on feed in 1977/78 instead of the 9 to 10 percent increase expected earlier.

Although increased feeding of cattle and poultry will help to sustain feed demand for the rest of the season, the drastic slowdown in hog expansion has caused the 1977/78 forecast of corn feeding to be cut 2 percent from the earlier estimate to 3,750 mil-

lion bushels.

Exports Gaining Momentum

The forecast of U.S. corn exports for 1977/78 remains at a record 1,750 million bushels, moderately above the levels the past 2 years. Exports through April totaled approximately a billion bushels, 40 million less than in that period of a year ago. Shipments lagged during the first 4 months of the season because of slow foreign buying, weather-related transportation problems, and a port elevator explosion. However, the volume moved during recent weeks has picked up sharply as logistical problems began to ease and lake ports opened. Demand-especially by the USSR-continues strong. As of late April, all outstanding sales for shipment during the remainder of this season were running almost 250 million bushels more than a year ago. Commitments to the USSR totaled 387 million bushels, compared with its record takings of 414 million in 1975/76.

U.S. corn exports will run into competition from crops now being harvested in the Southern Hemisphere. (See page 7 for a discussion of production and export prospects in Argentina, South Africa, and Brazil.)

Carryover To Increase

With total use now forecast at more than 300 million bushels less than the 1977 crop, carryover stocks this October 1 are expected to reach 1.2 billion bushels, compared with 884 million a year earlier, and the largest since 1964.

Virtually all corn carryover stocks on October 1 will continue to be privately owned. An estimated 35 to 45 percent of the carryover will be in the 3year grain reserve program.

Price Firmness To Continue

Corn prices have risen about 70 to 80 cents a bushel since their low last summer and fall. In April, prices received by farmers averaged \$2.26 per bushel, only about a nickel below a year earlier. Prices likely will continue firm until crop prospects here and abroad begin to unfold this summer and as reserve placements increase after May 1, when all 1977-crop corn under loan became eligible for the reserve. Last spring, corn prices began a decline which continued into fall because (1) supplies on hand were more than adequate for needs, (2) relatively little was held under loan, (3) timely rains in the Corn Belt enhanced crop prospects, (4) world grain crops were relatively good, (5) foreign purchases were slow, and (6) farmers marketed heavily to make room for their record 1977

Corn supplies this spring again are more than adequate for needs, but there are some different factors in the price picture. First, on April 1 over 900 million bushels, or a fourth of the supply, were tied up in the Government loan program. Even though some of this grain will be redeemed and put into the market, many of the loans will likely enter the 3-year farmer-held reserve program. Out of the 3,840-million-bushel supply on April 1, some 915 million was under loan, leaving 2,925 million for the market to meet expected needs of 2,630 million.

Farmers may continue to hold their corn in storage this summer in hopes that 1978 crops here or abroad will fall short of needs. Also, the record heavy export movement expected this spring and summer will likely be a pricing factor. However, if prospects this summer point to large crops here and abroad, prices could slip.

White Corn

Indicated Acreage Up Modestly; **Prices Strong For 1977 Crop**

As of April 1, farmers in 7 major producing States indicated seedings at around 451,000 acres to white corn, up only modestly from 1977 acreage. The 1977/78 white corn market has been very strong, with prices running well above those of a year earlier and much higher than the typical 30to 50-cent-per-bushel premium over yellow corn (table 2). In view of the high white corn prices, the indicated acreage is surprisingly low. But setaside, the aflatoxin problem in the Southeast, and strong competition from soybeans appear to be tempering expansion.

Much of the strength in white corn prices is due to the small 1977 crop coupled with good domestic demand for white corn products such as corn meal. White corn meal prices (wholesale) at New York are running about a tenth higher then last year's average of \$11 per cwt. The 1977 white corn crop, estimated at 31 million bushels (10 major producing States), was down 23 percent because of less acreage and lower yields. Also, the portion of the

Table 2-White corn: Production, exports and prices

	Unit	1974	1975	1976	1977	1978
Acreage ¹						
Planted	Thou, acres	659	696	552	515	2 526
Harvested	Thou, acres	611	631	513	451	
Yield per acre 1	Bu.	64	68	77	68	
Production ¹	Mil. bu.	39.3	42.6	39.5	30.6	
Exports	Mil. bu.	39.0	8.5	3.3	4 1.0-3.0	
No. 2 White, Kansas City 5	Dol, per bu,	4.09	2.92	2.91	6 3.40	
No. 2 Yellow, Kansas City 5	Dol, per bu.	3.08	2.69	2.26	6 2.19	
Corn meal, white, N.Y.7	Dol. per cwt.	15.50	12.90	11.10	6 12.00	

¹ Indiana, Illinois, Iowa, Missouri, Kansas, Kentucky, Tennessee, Texas, Alabama and Georgia. These states account for about 90% of U.S. white corn production. ⁵April 1, 1978 Prospective Plantings; includes allowance for Indiana, Iowa, and Kansas for which data not reported; total for other 7 states reported is 451,000 acres. ³January-September, 1975. ⁴Forecast. ⁵Year beginning October. ⁶October-March average, ⁷Source: Milling and Baking News.

1977 crop available for food use may have been somewhat smaller than usual because of the widespread incidence of aflatoxin in the Southeast.

Largely due to tight supplies, exports of 730,000 bushels during October-February 1977/78 lagged last year's pace by around 1.3 million bushels. Thus, unless exports rebound sharply during March-September, overseas shipments for the entire marketing season will fall short of last year's 3.3-million-bushel volume. Most U.S. white corn exports are commercial sales to Latin America and Africa.

Sorghum

Feed Use Recovers in January-March

Following a rather sluggish feed disappearance last fall, apparent feed use of sorghum in January-March of 139 million bushels was a fourth more than a year earlier. The heavier feed rate during the quarter reflects heavy placements of cattle in feed lots and relatively low prices of sorghum. Sorghum feeding for the entire season is forecast at 5-10 percent above last year's 428 million bushels. In this event, sorghum feed requirements during April-September would be around 10-20 million bushels more than last year. Cattle feeding margins are the most favorable in many months. encouraging feeders to feed liberal amounts of grain. Cattle on feed as of April 1 were up 10 to 26 percent in all Western States except California where they were down 15 percent.

U.S. sorghum exports during October-April were running about 20 million bushels behind the pace of a year earlier. Sorghum exports for the marketing year may fall somewhat short of last year's 246 million bushels because of increased competition from larger sorghum crops in the Southern Hemisphere. Total use in 1977/78 probably will be well below production, raising the October 1 carryover to 190-200 million bushels, more than double that of last year. A large portion of the carryover likely will be in the grain reserve program.

Sorghum prices received by U.S. farmers have increased from \$2.80 per cwt. last fall to \$3.52 during April. With the probability of a little more strength in corn prices this summer, sorghum prices likely will remain firm over the next few weeks. About 40 percent of the 412 million bushels of sorghum stocks on April 1 was in the Government's loan program. Thus, a portion of the expected disappearance for the remainder of the year must come from the loan. However, there is always considerable new crop sorghum fed and exported during the summer which distorts the disappearance estimate during July-September. Continued good demand by cattle feeders should help to sustain sorghum prices at least until new crop supplies become available in the summer. Also, wheat feeding this summer likely will be sharply below last year's heavy volume because of higher prices of wheat relative to other grains. Thus, sorghum's competition will be mainly from corn and other feeds.

Oats

Carryover Up Sharply

Disappearance of oats in 1977/78 will fall well short of 1977 production, raising this June 1 carry-over to more than 300 million bushels, or about double last year's small volume. With smaller supplies, feeding of oats has declined in recent years. In 1977/78, feeding will not differ greatly from last year's 489 bushels which was the lowest in decades. Combined food and seed use totaled 90 million bushels, about the same as last year. Food use of oats seems to be holding level as increased use for processing into natural breakfast cereals and products may about offset the decline in oatmeal production. Seed use is down because of declining acreage.

In 1976/77, oat prices were strong compared with other grains because supplies were the smallest in more than 40 years. But with good weather and the much larger crop in 1977, oat prices in

1977/78 fell back to a more typical relationship to corn of 90 percent on a pound-for-pound basis. Last August, prices received by farmers for oats reached a low of \$.90 a bushel, \$.13 under the national loan rate. As the season progressed, they advanced to \$1.22 in February before falling to \$1.21 in April. However, with prospects of fewer oat acres in 1978 coupled with delayed plantings this spring, prices have shown new life. For example, in late April, No. 2 heavy oats at Minneapolis were up about \$.18 a bushel from late February to \$1.38. Oat acreage in 1978 will likely get bumped down as producers participating in the set-aside programs are likely to switch out of oats to comply with setaside requirements.

Prices during the 1978/79 season largely hinge on the outcome of production, but the large carryover of old crop oats will have a tempering effect on the price pattern. As of early May, there were 65 million bushels of oats under loan, including 21 million in the reserve program. With low prices, producers have not been inclined to pay off their loans-redeeming only 10 million out of 75 million entered into the program. The Commodity Credit Corporation (CCC) does not have any oats in its grain inventory.

Barley

Carryover Largest in 5 Years

The carryover of barley this June 1 will total around 170 million bushels, or about a third more than a year earlier and the largest since 1973 as total use falls short of the 1977 crop. Domestic use of around 325 million bushels and exports of 60 million were fairly close to 1976/77 levels. The bulk of exports went to Korea and Europe. The expansion in beer production slowed and barley used by the brewing industry totaled 133 million bushels. up only 2 million from a year earlier.

With supplies large compared with use, barley prices during the 1977/78 season dropped to the lowest level since 1972/73. No. 3 or better feed barley at Minneapolis averaged \$1.65 per bushel, down sharply from \$2.34 the year before. No. 3 or better malting at Minneapolis averaged \$2.25 compared with \$3.13 in 1976/77.

Prices of both feed and malting barley advanced seasonally from the lows of last summer.

In early May, feed barley at Minneapolis was running around \$1.90 per bushel, up around \$.35 from March quotations, and malting barley had advanced about \$.20 to \$2.50 a bushel. Some of this unusual late season strength probably reflects the slow start of the 1978 planting season. In early May, planting of spring barley lagged its usual time schedule, and prospective acreage may fall somewhat below 1977 seeding of 10.6 million acres.

Despite the larger carryover of barley this June and some seasonal decline, it appears likely that barley prices this summer will average somewhat above last year's low levels. Other factors that will support barley prices are the farmer-owned grain reserve and the Government loan program. Farmers placed 80 million bushels or about a fifth from their 1977 crop under loan. As of early May, 16 million bushels had been redeemed and 65 million remained under loan including 18 million under the 3-year reserve. Thus, a significant part of the barley carryover is isolated from the market.

Table 3-Corn: Domestic and foreign market prices

			1976/77					1977/78		
Month/day ¹	Illinois mid- month farm price	Mo. av. No. 2 (fob) Gulfport	U.S. No. 3 Rotter- dam cif	Argen- tina Plate Rotter- dam cif	EC import levy	Illinois mid- month farm price	Mo. av. No. 2 (fob) Gulfport	U.S. No. 3 Rotter- dam cif	Argen- tina Plate Rotter- dam cif	EC import levy
					Dollars	per bushel			-	
July 19	2,88	3.08	3.37	3,68	0,93	1.85	2.16	2.39	2.53	2.77
Aug. 23	2.64	2.95	3.10	3.48	1.07	1.57	1.96	2.12	2.34	2.76
Sept. 20	2.65	2.92	3.24	3.50	1.10	1.60	1.99	2.22	2.41	2.71
Oct. 25	2.34	2.70	2.96	3.28	1.54	1.60	2.12	2.32	2.60	2.79
Nov. 22	2.03	2.50	2.78	3.09	1.97	1.91	2.37	2.73	2.92	2.41
Dec. 20	2.29	2.62	2.86	3.10	1.96	2.02	2.44	2.73	3.24	2.60
lan. 17	2.40	2.83	3.14	3.51	1.51	2.01	2.43	2.72	3.24	2.89
Feb. 21	2.40	2.81	3.03	3.33	1.74	2.01	2.57	2.82	2.95	2.87
March 21	2.37	2.78	3.00	3.18	1.89	2.14	2.70	3.04		2.97

Day refers to Rotterdam markets and EC import levy.

FACTORS AFFECTING CORN YIELDS

by Robert Butell and James J. Naive Commodity Economics Division

ABSTRACT: Among the more important factors affecting corn yields are weather, fertilizer use, technology, and planted acreage. When removing the corn blight of 1970 from the analysis, these variables used in multiple regression analysis explain about 96 percent of the variation in U.S. corn yields during the period 1954-1977. Expanded use of nitrogen and other production technology have strongly influenced growth in yields while expansion into less productive acreage has tempered yields in recent years.

KEYWORDS: Corn yields, weather, crop yield modeling, production technology, economic trend.

This analysis of U.S. corn yields is based on conditions during 1954-1977. It shows the influence of major determinants-plantings, nitrogen application rates, July precipitation, and trend. The 24 years of observations generally conform to the period often cited as a weather cycle and, therefore, include both favorable and unfavorable weather for corn yields (1,3,4).1 Numbers in parentheses ("t" statistics) below are a measure of statistical reliability. A value of 2 to 3 suggests strong statistical reliability. The coefficient of determination (R2) indicates the proportion of variation in yields that was explained by the set of determinants. The standard error of estimate (S.E.) indicates the range in yield around estimated yields that includes a two-thirds confidence interval. The Durbin-Watson statistic (D.W.) indicates if there is independence between equation errors for successive years (a value of 2 corresponds to independent errors).

The results below were obtained using ordinary least squares regression and are generally consistent with other studies (see for example (2)).

¹Numbers in parentheses refer to references listed at the end of this article.

Variable definitions are:

YCH: U.S. average corn yield—bushels per harvested acre.

ACP: Corn plantings-million acres.

N: Rate of nitrogen application—pounds per harvested acre receiving nitrogen.

DXJUL: Weighted index of July precipitation for five major states (Illinois, Indiana, Ohio, Iowa, and Nebraska). July precipitation for a State is weighted by its planted acreage—1964-1967 = 100.2

D70: Dummy variable is used for 1970 to reflect the unusual occurrence of southern corn leaf blight in 1970—where D70 = 1 in 1970: = 0 otherwise.

T: Time trend or proxy for technology—1954 = 54; 1955 = 55...

The statistical results indicate that the variables used here are significant and show the expected directional relationships (signs) with yields. Planted acreage has a negative coefficient, which reflects lower productivity of additional land brought into corn production. On the other hand, nitrogen application, July precipitation, and trend show a strong positive effect. The higher rate of fertilizer use since the mid-fifties has accounted for over half of the increase in yields. The trend or technology variable accounted for the rest of the increase in yields. It reflects better management and cultural practices facilitated by improved vari-

²Weather index was provided by Michael Weiss, Commodity Economics Division.

eties of corn, advances in pesticides, mechanization, and irrigation. The trend variable and fertilizer variable are highly correlated since fertilizer rates have increased steadily during this period. The weather proxy used here shows the impact of precipitation in July when the need for rainfall during pollination is especially critical for kernel development.

The results also suggest that corn blight in 1970 reduced the average U.S. yield about 14 bushels per acre. While the blight was an important factor, there was also drought in the western Corn Belt that adversely affected 1970 yields.

The variables used in this analysis explain about 96 percent of the total variation in corn yields during 1954 to 1977. Actual yields and those estimated from the regression equation (using the actual values of the determinants) are shown in the accompanying figure. The largest deviations from actual yields were in 1972 and in 1974. In 1972, acreage was relatively low, growing conditions were excellent, and the average yield hit a record high of 97 bushels. In 1974, there was an extremely wet spring, a hot dry summer, and early frosts that led to an extremely poor yield.

These results appear to include the major factors affecting annual U.S. aggregate corn yield, but the parameters suggest that there is room for improvement. Of the causal factors used here, weather has the greatest year-to-year variation. To

improve regression results further, research efforts could concentrate on weather factors. For instance, precipitation and temperature data for critical periods during the growing season rather than a monthly index could be examined. Also, expanding the regional coverage for weather data from the five States used in the analysis might also improve the results. In the final analysis, of course, forecasts based on a formal model rely on accurate estimates of the values of determining variables.

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U.S. CORN YIELDS

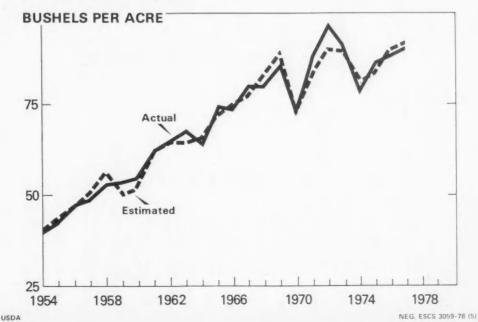


Table 1. -- U.S. Corn Yields and Related Variables, 1954 to 1977

	••			· MICTOREII	Tuly propinitation
	••	Yield per	: Planted	: applied per	serial precipitation
Crop of	**	harvested acre	: acreage	: harvested acre	. alanted sorong
		(YCH)	: (ACP)	: receiving nitrogen	1964-67 = 100
				(N)	(DX2UL)
		Bushels	Mil. acres	Pounds	Index
	••				1
1954	**	39.4	82.2	27	71.9
1955	••	42.0	80.9	30	101.0
1956	**	47.4	77.8	32	125.3
1957	••	48.3	73.2	35	113.6
1958	**	52.8	73.4	38	231,3
1959	**	53.1	82.7	41	90.3
1960	••	54.7	81.4	77	87.8
1961	**	62.4	62.9	48	153.0
1962	**	64.7	65.0	52	165.7
1963	••	67.9	68.8	54	145.4
1964	••	62.9	65.8	58	105.0
1965		74.1	65.2	7.5	106.9
1966	**	73.1	66.3	86	92.0
1967	**	80.1	71.2	93	1.96
1968	••	79.5	65.1	104	110.4
1969	••	85.9	64.3	110	176.7
1970	**	72.4	6.99	112	102.2
1971	••	88.1	74.2	107	124.5
1972	••	97.0	67.1	115	133.9
1973	••	91.3	72.3	114	144.5
1974	••	71.9	77.9	103	52.9
1975		86.3	78.6	105	68.5
1976	**	87.9	84.4	127	94.6
1977	••	8.06	82.7	128	113.0

Table '4,--Corn: Distribution for food, industrial, beverage and seed use (Marketing year beginning October)

Item	: 1968	: 1969	: 1970	** ** **	1971	1972	: 1973	: 1974	: 1975	. 19	1976* :	1977**
				M	Million b	bushels ((grain equivalent	ilvalent)				
Shipments(Food, industrial & alcohol use)				2400								
Wet corn milling (grind) Drv milling	: 207	216		242	246	284	295	315	343	36	362	380
Corn meal (regular & degermed)	: 33	28		24	21	20	19	18	18		17	17
Corn flour etc.	. 4	9		00	10	12	14	13	15		17	18
Hominy grits (food)	: 21	19		17	14	13	13	10	11		10	10
Breakfast foods $1/$: 22	23		23	24	24	25	24	24		25	25
Alcoholic beverages:				88								
Distilled liquors	. 33	31		24	25	29	33	16	21			22
Fermented malt liquors	: 42	43		45	45	45	47	67	20		53	57
Total shipments	362	366		383	385	427	977	577	482	3(505	529
Seed	. 12	13		17	15	16	18	18	20	.4	20	18
TradeCorn products				H	housand	Thousand bushels		(grain equivalent)				
Imports Meal	: 11	9		7	73	27	69	125	42	1	15	
Exports Meal (relief programs and commercial												
sales)	966'6:	9,239			,486	8,004	8,458	5,781	6,441	5,913	3	
Hominy grits	: 1,536	1,928			,758	2,114	1,641	1,275	1,124	1,10	0	
Starch	: 1,915	1,522			,394	1,896	2,676	3,229	2,011	2,39	2	
Sugar (Dextrose)	: 1,180	1,085	1,015		1,571	2,310	2,383	2,346	2,145	1,71	~	
Syrin (Glicose)	. 669	967			357	391	087	897	997	500	_	

Shaded numbers are largely based on the 1972 Census of Manufactures; intra Census years are interpolations. See May 1976 issue of Feed Situation for earlier years.

1/ Assumes sizeable quantities of corn flour are purchased by breakfast food manufacturers from the dry milling industry.

*Preliminary.

TABLE 5. --FEED GRAINS: MARKETING YEAR SUPPLY, DISAPPEARANCE, ACREAGE AND PRICES, 1974-78 1/

			SUPPLY		** ** **			DISAPPEARANCE				STOCKS	
Z/			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			8	DOMESTIC USE		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
		STOCKS	RODUCTIO	** PRODUCTION: IMPORTS	TOTAL	FEED	FOOD.	TOTAL	EXPORTS	DISAPPEAR ANCE	R-: HELD :	GOVT.	TOTAL
8 8 8 8				8 8 9 9 9 9 9 9		MILL	MILLION METRIC TONS	ONS	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
1974175	- 40 0	21.5	150.5	10	172.5	105.4	16.1	121.5	35.7	157.2	15.2	• 1	15.3
1975/76		15.3	184.6	<u>ه</u>	200.4	116.2	17.0	133.2	50.0	183.2	17.2	0	17.2
1976/77 5/	19	17.2	193.4	4.	211.0	112.6	17.9	130.5	50.6	181.1	59.9	0	29.9
1977/78 5/	2/5	59.9	201.5	P/)	231.7	117.8	18.5	136.3	51.6	187.9	43.8	0	43.8
1978/79 *		4. 4. W. W. 9. 9. 0. 00	210.7	W W	254.8	130.6	19.4	150.0	4 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	194.8	60.0	00	60.0
			ACREAGE	9 8		YIELD	≪	SEASONAL INDEX			GOVT. PRICE SUPPORT OPERATIONS	PPORT	
		BASE OR	SET- ASIDE	PLANTED	HAR- VESTED FOR GRAIN	PER HARVESTED ACRE	** ** ** **	PRICE PRECEIVED BY FARMERS 6/	Æ R S	** ** ** ** **	TOTAL PAYMENTS TO PROGRAM PARTICIPANTS	ENTS TO	
		I W	MILLION ACRES	ACRES		METRIC TONS		1967=100			MILLION DOLLARS	OLLARS	
1974/75		0.68	1	121.2	8.66	1.51		251			328	18	
1975/76	* ** *	89.0	1	122.5	104.5	1.77		220			115	18	
1976/77 5/	2/ :	89.0	!	128.7	106.3	1.82		182			222 81	18	
1977/78 5/	5/:	89.0	1	128.1	107.0	1.88		171 1/1			711-761 9/	61 9/	
1978/79		1.88	1										

1/ AGGREGATED DATA ON CORN SORGHUM DATS AND BARLEY. 2/ THE MARKETING YEAR FOR CORN AND SORGHUM BEGINS OCT. 1; JUNE 1 FOR DATS AND BAPLEY. 3/ INCLUDES TOTAL GOVERNMENT OWN. 4. S. PRELIMINARY. 6. EXCLUDES SUPPORT Y7/ OCTOBER-APRIL 1977/78. 8/ DISASTER PAYMENTS. 9/ DEFICIENCY AND DISASTER PAYMENTS. 8/ DISASTER PAYMENTS. 8/ DISASTER PAYMENTS. 8/ DISASTER PAYMENTS. 8/ DISASTER PAYMENTS. 9/ DEFICIENCY AND DISASTER PAYMENTS. 8/ DISASTER PAYMENTS. 9/ DEFICIENCY AND DISASTER PAYMENTS. 8/ DISASTER PAYMENTS. 9/ DEFICIENCY AND D

TABLE 6. --SORGHUM: MARKETING YEAR SUPPLY. DISAPPEARANCE, ACREAGE AND PRICES, 1974-78

0 4 1 2		SUPPLY				10	DISAPPEARANCE			** ** **	STOCKS SEPT. 30	30
BEGINNING			** *		۵							
•	STOCKS STOCKS	PRODUCTIO	:PRODUCTION:IMPORTS:	TOTAL	FEED	FOOD.	TOTAL	EXPORTS			60VT.	TOTAL
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 8 8 8 8				MILLION BUSHELS	BUSHELS					8 8 8 8 8 8
1974/75	. 61	623		684	431	9	437	212	649	35	0	35
1975/76	35	753	1	788	505	9	508	229	737	51	0	5.8
1976/77 3/	51	720	8 8	771	428	9	434	246	681	91	0	91
1977/78 3/	91	791	1	882	460	9	466	225	691	191	0	191
1978/79 **		009	!!	981	530	90 90	536 436	210	746	235	00	235
		ACREAGE	6 E		YIELD		N	0.			GOVT. PRICE SUPPOR OPERATIONS	S
		SET- ASIDE	PLANTED	HAR- VESTED FOR GRAIN	PER HARVESTED ACRE	RECEIVED BY BY A/	KANS. CITY NO. 2	TEXAS NO. 2 YELLOW	GULF PORTS NO. 2 YELLOW	TS: NATIONAL: AVG:	SUPPOR OR TARGET	SUPPORT: TOTAL OR TARGET: PAYMENTS PRICE: PARTICI-
		MILLION ACRES	NO		BUSHELS			DOL	DOLLARS PER CUT			MILLION
1974/75	5/	0	17.6	13.8	45.1	96 ° 4	5.04	5.62	5.47	1.88	2 . 34	68 71
1975/76	25	0	18.1	15.4	0.64	4.23	94.46	4 . 93	16.97	1.88	2.34	20 7/
1976/77 3/	19	0	18.4	14.7	6.84	3.62	3.49	3.66	4.11	2.55	2.66	32 7/
1977/78 3/	16.4	0	17.0	14.1	56.2	3.16 6/	3.48 6/	3.74 6/	4.12	6/ 3.39	4.67	305-330 8,
1978/79 **	13.7					3.93-4.29				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.07	

TABLE 7. -- DATS: MARKETING YEAR SUPPLY, DISAPPEARANCE, ACREAGE AND PRICES, 1974-78

6		SUPPLY				DIS	DISAPPEARANCE				STOCKS MAY 31	
BEGINNING						DOMESTIC USE						
4	STOCKS	*PRODUCTION:IMPORTS:	IMPORTS	TOTAL	FEED	FOOD :: INDUSTRY:	TOTAL	EXPORTS	2		. GOVT.	TOTAL
0 0 0 0 0		0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	MILLION BUSHELS	USHELS	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1974/75	307	601	3/	908	58	88	999	19	685	216	7	223
1975/76	223	642	1	866	562	80 10	249	14	661	205	0	205
1976/77 4/	205	546	1	752	489	88	577	10	587	165	0	165
1977778 47	165	748	1	914	500	06	290	10	209	314	0	314
1978/79 **		700		1,015	570	88 55 55 55 55 55 55 55 55 55 55 55 55 5	655 555	10	565	350	00	350
		ACREAGE	0 0 0 0 0 0 0 0		YIELD		SEASONAL		0 0 0 0 0 0 0 0 0 0	PRI	GOVT. BRICE SUPPOR OPERATIONS	L &
				HAR		1 2	1 2	.PORTLAND:	0		ORT	TOTAL
	BASE OR :	ASIDE 5/	PLANTED	VESTED: FOR :	PER HARVESTED ACRE	RECEIVED: BY FARMERS:	NO. 2 WHITE.	NO. 2 WHITE,	NO. 2 WHITE, HEAVY	LOAN RATE:	TARGET	PAYMENTS TO PARTICI-
		MILLION - ACRES	:		BUSHELS			DOLLARS PER BUSHEL	RS SHEL		:	MILLION
1974/75	!	1	17.0	12.6	47.6	1.53	1.68	1.96	1.75	• 54	1	
1975/76	¦ 	;	16.5	13.1	0.64	1.46	1.66	1.86	1.54	• 54	;	i
19 75/17 4/	!	1	16.7	11.9	45.7	1.56	1.74	1.80	1.71	.72	;	
1977/78 4/	:	1	17.8	13.4	55.6	1.10 7/	1.26 7/	1.44 7/	1.35 7/	1.03	1	-
1978/79 *	:	1				1.00-1.10				1.03	1	-

1/ INCLUDES TOTAL GOVERNMENT LOANS (ORIGINAL AND RESEAL). 2/ UNCOMITITED INCUNDENTY. 3/ LESS THAN SOO.000 BUSHELS. 4/ PRE-LIMINARY. 5/ NOT INCLUDED IN THE PROGRAM. 6/ EXCLUDES SUPPORT PAYMENTS. 7/ JUNE-APRIL 1977/78 AVERAGE. * REFLECTS REL-ATIVELY FAVORABLE PRODUCTION CONDITIONS WORLDWIDE. ** ASSUMES UMFAVORABLE PRODUCTION CONDITIONS WORLDWIDE.

TABLE 8. --BARLEY: MARKETING YEAR SUPPLY, DISAPPEARANCE, ACREAGE AND PRICES, 1974-78

a 4 4	• •• ••	SUPPLY		• • • •		DIS	DISAPPEARANCE	lu		• •• ••	STOCKS MAY 31	
BEGINNING			•••	***		DOMESTIC USE					***	
	STOCKS	:PRODUCTION: IMPORTS:	IMPORTS:	TOTAL	FEED	FOOD.: INDUSTRY:	TOTAL	EXPORTS	DISAPPEAR		60VT.	TOTAL
					8 8 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	MILLION BUSHELS	USHELS		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 9 9 9 9 9		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1974/75	146	599	20	465	180	151	331	42	373	92	0	92
1975/76	92	374	16	482	182	148	330	24	354	128	0	128
1976/77 3/	128	372	111	511	161	158	319	99	385	126	0	126
1977/78 3/	: 126	416	10	552	164	160	324	09	400	168	0	168
1978/79 *		470 370	10	548	190	170	360	6.55 5.55	365	2333	00	183
		ACREAGE	0 0 0 0 0 0 0	** ** ** 	YIELD		SEASONAL	PRICES	8 9 9 9 9 0 0 0 0	PRI	GOVT. PRICE SUPPORT OPERATIONS	
				HAR			MINNEAPOLIS	OLIS	FRESNO	0	SUPPORT	TOTAL
	ALLOTMENT:	ASIDE	PLANTED:		HARVESTED ACRE	FARMERS:	m 0	OR BETTER, 5/: MALTING 6/	NO. 2 VESTERN.	AVG.	TARGET	PARTICI-
		MILLION ACRES			BUSHELS	:		DOLLARS	LARS BUSHEL		:	MILLION
1974/75	11	0	8.7	6.7	37.7	2.80	2.58	4.03	3.16	06.	1.13	16 8/
1975/76	11 :	0	9.3	8.5	43.9	2.42	2.38	3.34	2.80	06.	1.13	5 8/
1976/77 3/	11	0	9.2	0 0	6.04	2 - 25	2.34	2.96	2.64	1.22	1.28	18 6
18 31/178 3/	: 11.7	0	10.6	6.6	43.8	1.78 9/	1.66 91	2.25 91	2.28 9/	1.63	2.15	185-210
1978/79 **	7.4					1.60-1.70				1.63	2.25	

1/ INCLUDES TOTAL GOVERNMENT LOANS (ORIGINAL AND RESEAL). 2/ UNCOMMITTED INVENTORY. 3/ PRELIMINARY. 4/ EXCLUDES SUPPORT
PAYMENTS. 5/ BEGINNING JUNE 1977 NO. 2 FEED. 6/ 60% TO 70% PLUMP OR BETTER: BEGINNING 1977/78 65% OR BETTER. 7/ AVAILABLE
FOR TOTAL FEED GRAINS ONLY. 8/ DISASTER PAYMENTS. 9/ JUNE-APRIL 1977/78 AVERAGE. 10/ DEFICENCY AND DISASTER PAYMENTS
ESTIMATED. * REFLECTS RELATIVELY FAVORABLE PRODUCTION CONDITIONS WORLDWIDE. ** ASSUMES UNFAVORABLE PRODUCTION CONDITIONS
WORLDWIDE.

TABLE 9. --CORN: MARKETING YEAR SUPPLY AND DISAPPEARANCE, SPECIFIED PERIODS, 1973-77 1/

### PRODUC- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 10- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11- 11-					••							**			
4483.9 5.670.7 1.3 6.379.1 87.7 18.5 11.77 4.204.8 4.652.9 1.273.6 319.8 1.893.4 4.44 4.855.9 1.903.4 4.44 4.855.9 1.871.6 319.8 1.893.4 4.44 4.855.9 1.871.6 319.8 1.893.4 4.44 4.855.9 1.871.6 319.8 1.893.4 4.44 4.855.9 1.871.6 319.8 1.893.4 4.44 4.855.9 1.871.6 319.8 1.893.4 4.44 4.855.9 1.871.4 1.870.7 1.3 6.379.9 350.4 1.877 1.85 6.379.9 350.4 1.877.4 1.877.4 2.852.9 1.871.3 1.870.7 1.871.8 1.870.7 1.871.8 1.870.7 1.871.8 1.870.7 1.871.8 1.870.7 1.871.8 1.870.8 1.871.8 1.870.8 1.871.8 1.870.8 1.871.8 1.870.8 1.871.8 1.870.8 1.871.8 1.870.8 1.871.8 1.870.8 1.871.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1.870.8 1	PERIODS				1		100	ESTIC		8 8 8	8 2				
HILLION BUSHELS HILLION BUSHERS HILLION BUSHELS HILLION BUSHELS HILLION BUSHELS HILLIO	OCT. 1	STOCKS	NOUT L	PORTS	TOTAL	FOOD	ALC. BEVER-: AGES	SEED	FEED	TOTAL	PORTS	DISAP-	OUNED 2/	VATELY OWNED 3/	
707.9 5.670.7 0.5 6.379.1 87.7 18.5 1465.5 1.571.6 319.8 1.891.4 4.488.7 2.885.9 0.1 2.8910.0 87.5 20.5 3.5 1.177.9 1.277.5 328.5 1.518.0 2.885.9 0.1 2.8910.0 87.5 20.5 3.5 1.177.9 1.277.9 1.277.5 36.5 1.518.0 707.9 5.670.7 1.3 6.379.9 350.4 80.1 17.7 4.204.8 4.652.9 1.247.1 1.920.0 3.640.9 0.4 2.8910.0 1.5 6.379.9 350.4 80.1 17.7 4.204.8 4.652.9 1.247.1 1.920.0 3.640.9 0.4 2.825.2 6.3 112.0 113.6 6.89.0 1.242.3 379.7 1.244.5 3.640.9 0.4 1.950.5 120.0 2.5.4 3.8 678.3 825.4 1.078.5 1.641.7 3.640.9 0.4 1.950.5 120.0 2.5.4 3.8 678.3 825.4 1.078.5 1.641.7 3.640.9 0.5 6.190.9 100.2 16.3 1.156.1 1.270.7 4.527.0 1.148.5 1.642.7 3.640.9 0.5 6.190.9 100.2 16.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2					8 8 8 8	1 1 1 1 1 1 1 1 1	8 8 9 9 9 9	MILLI	N BUSHEL				1	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
49487.7 3767.9 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10					6		6			9	9	,		8	
1.9903.4 0.4 1.903.8 115.9 26.5 3.5 932.4 1.078.3 341.7 1.4420.0 1.9903.4 0.4 1.903.8 115.9 26.5 3.5 932.4 1.078.3 341.7 1.4420.0 1.0903.4 4.701.4 0.4 5.185.7 91.6 14.8 1.166.6 1.272.9 271.9 1.243.1 5.896.0 2.2627.6 0.4 5.2281.5 53.1 15.6 3.8 922.8 1.033.3 379.3 1.413.7 4.856.9 0.4 1.505.6 120.0 23.4 15.7 118.8 3.225.6 3.677.1 1.148.5 4.825.6 3.564.9 0.5 4.467.1 100.4 15.7 4.0 1.168.6 1.272.9 277.2 1.724.4 4.466.6 0.5 4.467.1 100.4 15.7 4.0 1.168.2 1.220.3 405.9 1.446.2 2.865.8 0.5 6.466.0 105.1 15.4 4.0 1.168.8 1.270.7 453.7 1.7724.4 4.466.6 0.5 6.466.0 105.1 15.4 4.0 1.168.8 1.270.7 453.7 1.7724.4 4.466.6 0.5 6.466.0 105.1 15.4 4.0 1.168.8 1.270.7 453.7 1.7724.4 5.66.8 0.5 6.466.0 105.1 15.4 1.158.0 1.771.4 5.793.1 3.51.4 5.829.0 1.8 6.192.2 398.8 71.1 2.0.2 3.591.6 4.081.7 1.711.4 5.793.1 3.5293.1 0.5 6.466.0 105.1 15.4 1.158.0 1.776.5 498.0 1.776.5 1.488.8 3.5293.1 0.5 6.466.0 419.4 73.9 19.8 3.586.6 4.099.7 1.684.2 5.783.8 8.84.1 6.266.4 2.5 6.668.0 419.4 73.9 19.8 3.586.6 4.099.7 1.684.2 5.783.8 8.84.1 6.266.4 2.5 6.668.0 419.4 73.9 19.8 3.586.6 4.099.7 1.684.2 5.783.8 8.84.1 6.256.9 1.2 5.466.2 110.0 19.4 3.6 1.076.8 1.4209.8 414.0 1.625.8	LAN. IMAR.	: 49487.7	0 0 0	0 0	4048709	87.6	20.5	, to	1,167,9	1,279,6	338 0		4 4	2.865.83	2.869.9
483.9 4.701.4 0.4 5.185.7 91.6 14.8 1,166.6 11.272.9 271.9 1.544.8 1,166.6 1.8272.9 271.9 1.544.8 0.6 5.611.5 92.1 15.6 5.5 92.8 11.034.3 541.7 1.920.0 0.6 5.611.5 92.1 12.0 11.3 48.0 16.4 1.034.3 541.7 1.920.0 0.4 1.905.6 1.20.0 1.3.4 1.034.3 5.041.8 1.034.3 1.034.3 1.034.8 1.034.3 1.034.8 1.034.3 1.034.8 1.034.3 1.034.8 1.034.8 1.034.3 1.034.8 1.034.8 1.034.8 1.034.3 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8 1.034.8	APRMAY	2,869.9	•	0.1	2.870.0	59.5	14.6	9.0	639.0	723.4	243.2		2.9	1,900.5	1,903.
483.9 4,701.4 0.4 5,185.7 91.6 14.8 1,166.6 1,272.9 1,243.1 5,496.0 2,522.8 0.4 2,228.2 120.0 23.4 13.6 3.8 922.8 1,033.3 379.3 1,413.2 2,522.8 0.4 1,505.6 120.0 23.4 3.8 922.8 1,033.3 379.3 1,413.2 2,522.8 0.4 1,505.6 120.0 23.4 3.8 922.8 1,033.3 379.3 1,413.2 4,833.9 4,701.4 1.8 5,187.0 366.9 65.7 18.8 3,225.6 3,677.1 1,148.5 4,825.6 4,466.6 5.829.0 0.6 6,190.9 100.2 16.3 1,154.1 1,270.7 4,53.7 1,722.9 4,466.6 5.829.0 0.6 6,190.9 100.2 16.3 1,154.1 1,270.7 4,65.9 1,633.2 2,466.8 5,829.0 0.6 6,190.9 100.2 16.3 1,154.1 1,270.7 4,65.9 1,633.2 3,489.5 0.5 4,467.1 10.4 15.7 4.0 1,108.2 1,222.3 405.9 1,633.2 3,489.5 0.6 6,666.0 103.1 15.4 2.9 4.0 1,108.2 1,220.3 405.9 1,633.2 3,489.5 0.5 4,668.0 103.1 15.4 4.0 1,168.0 1,278.5 498.0 1,776.5 4,889.5 0.5 4,689.6 103.1 15.4 4.0 1,168.0 1,278.5 498.0 1,776.5 3,59.1 6,266.4 2.5 6,668.0 419.4 73.9 19.8 3,586.6 4,099.7 1,684.2 5,793.8 8,884.1 6,357.4 0.7 7,242.3 109.2 15.7 1,236.0 1,209.8 418.3 1,779.3 5,463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8 5,4463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8 5,4463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8 5,4463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8 5,4463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8 5,4463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 418.3 1,779.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.3 1,079.	JONE - SEP -	1030304	•	4.0	97030	115.9	26.5	0 0	932.4	1,078,5	341.			483.9	4000
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2.364.8 1.1 2.365.9 139.3 25.5 4.0 808.5 977.2 504.5 1,481.8 399.1 6,266.4 2.5 6,668.0 419.4 73.9 19.8 3,586.6 4,099.7 1,684.2 5,783.8 884.1 6,357.4 0.7 7.242.3 109.2 15.7 1,236.0 1,360.9 418.3 1,779.3 5,463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8	- X X X X X X X X X X X X X X X X X X X			9 6	4 600 7 60	C. CO.	1000	200	1 + UB7 + B	70/6767	0000	1.0360	8 1	3929301	2000
399.1 6,266.4 2.5 6,668.0 419.4 73.9 19.8 3,586.6 4,099.7 1,684.2 5,783.8 884.1 6,357.4 0.7 7,242.3 109.2 15.7 1,236.0 1,360.9 418.3 1,779.3 5,463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8	JUNE-SEPT.	2.364.8		1.01	2,365,9	139.3	25.5	4.0	808	977.2	504.5	1.481.8		884.1	884.1
884.1 6.357.4 0.7 7.242.3 109.2 15.7 1,236.0 1,360.9 418.3 1,779.3 5,463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8	2		2000	4	0000	4		0				-		4	4
884.1 6,357.4 0.7 7,242.3 109.2 15.7 1,236.0 1,360.9 418.3 1,779.3 :5,463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8	INI. TEAN				0000000	***		0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100000	2040061	0000		1 ** 00	*******
5,463.0 1.2 5,464.2 110.0 19.4 3.6 1,076.8 1,209.8 414.0 1,623.8	1977/78 4/ 0CT DFC -	984		0.7	7.242.3	109.2	T.		1.236.0	1.360.9	418.3	1-779-1	0.0	8 6 6 9 8	5-467
	JAN MAR. JUNE-SEPT.	5,463		1.5	5.464.2	110.0	6		1.076.8	1,209.8	414.0	1,623.8	0 . 5	3,840.2	3 9 8 4 0 9 9
TA A A A A A A A A A A A A A A A A A A	MKT. YEAR														

1/ DATA MAY NOT ADD TO TOTALS DUE TO INDEPENDENT ROUNDING. 2/ UNCOMMITTED INVENTORY. 3/ INCLUDES TOTAL GOVERNMENT LOANS (ORIGINAL AND RESEAL), 4/ PRELIMINARY.

TABLE 10. --SORGHUM: MARKETING YEAR SUPPLY AND DISAPPEARANCE, SPECIFIED PERIODS, 1973-77 1/

			-				DIO	DISAPPEARANCE	CE		•• ••	FND	FNDING STOCKS	"
REGINATAG	N L	5110000	2			DOM	DOMESTIC US	ايا						
OCT. 1	NING	NOIL	PORTS	TOTAL			SEE	FEED	TOTAL	PORTS		OWNED 2/	VATELY :	TOTAL
2 2 2 2 2 2 2 2 3 3 4 4 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		8 8 8 8 8		0 0 0 0 0 0 0 0		6 6 8 8 8	MILLION	BUSHELS	1 1 1 1 1 1 1					
1973/74	7.67	600	11	0	,	6	1	4 300	900	M.	0		0 247	4
JAN MAR.	643.9	0 1		643.9	9.0	9 9	0 0	195.9	19701	0 40	263.6		3000	380
APR MAY	380.3		4/	380.3		9.0	1.3	98.0	100.2	35.3	135.5	-	244.8	244.
JUNE-SEPT.	244.8		-	244.8		1.0	1.0	104.4	106.8	76.8	183.6	-	61.2	61
MKT. YEAR	72.7	923.2	41	6.366	2.1	2 . 5	2.5	693.7	700.6	234.1	934.7	8 8	61.2	61
1974/75														
OCT DEC.	: 61.2	622.7		683.9	0 .2	0.8	1 1	257.9	258.9	46.2	305.1	8 8	378.9	37
JANMAR.	378.9	1 0	1;	378.9	0.5	0 0	0.2	106.6	107.9	62.5	170.4	8 8	208.5	208.5
FORCES	244.0	0 1	30	208.02	2 0 0	0.	e (28.0	1.09	7.00	500		131.52	13
0015-35-	20101		1	7.767		7.07		1 . 0		0.00	100	1	0.000	0
MKT. YEAR	61.2	622.7	41	0.489	1.0	3.1	2.3	430.6	437.0	212.0	648.9	1	35.0	35
1975/76														
OCTDEC.	350	753.0		788.1	0 0	0.7		250.2	251.2	63.04	314.5	1 1	473.5	47
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0000			00000	* *	0 0	7.0	10000	101.00	0000	9.622	8 8	0 1	Y .
JUNE-SEPT.	153.7	! !	4/	153.7	4 .	0 0	100	23.0	25.1	77.2	102.3		51.4	51.4
MKT. YEAR	35.0	753.0	4/	788.1	1.2	5.9	2.3	501.2	507.6	229.0	736.7		51.4	51.
					,									
OCT . DEC.	4.00	719.8		771.2	0 0	0.7	1 0	215.9	216.9	9 0	278.7	-	4920	4
ADR MAY	296.6		4/	296.6	000	0 0	0 -	00111	2777	400	10001		196.5	196
JUNE-SEPT.	196.5	8 8	1	196.5	0 .3	100	9.0	36.5	38.5	66.8	105.2	1	91.93	91.3
MKT. YEAR	51.4	719.8	41	771.2	1.2	2.9	2.2	427.6	433.8	246.1	6.619	-	91.3	91.3
1977/78 5/ 0CTDEC-	91.3	790 •6	1	881.9			1	207.5	2000	56.0	264.5		617.5	617
JAN MAR.	617.5		8 8	617.5	4.0	9.0	0 . 2	135.7	137.0	68.1	205.1	0.1	412.5	412.4
MKT. YEAR	** **													

Fig. PRODUCT IN- FORTS TOTAL FORD FUEE TOTAL FORD FUEE TOTAL PORTS DIGAL TOTAL TOTAL TOTAL FORD FUEE TOTAL FUEE TOTAL PORTS DIGAL TOTAL TOTA			SUPPL					DIS	PPEARA	CE				(1)	
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	PERIODS							0	8 8 9 9 9	8 8 9 9			1 01 0		
### ### ### ### #### #### ############	JUNE 1	STOCKS	1	ORTS		F00	1 0000	SEED	FEED	TOTAL	10	DISAP-	OWNED 2/	VATELY :	0
463.4 659.1 0.1 1,122.6 13.6		1					1	MILLION	BUSHELS					0 0 0 0 0 0 0 0 0	
7.5 645.4 659.1 0.1 1422.6 13.6 -2.2 279.6 595.3 23.2 33.6 673.1 633.9 10.5 2.2 279.6 695.3 23.2 33.6 673.1 633.9 10.5 2.2 13.6 197.8 12.5 13.6 695.3 27.8 406.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8	973/74														
434.6	JUNE-SEPT.		59	0.1	1,122.6	M C	: :	200	138.4	295.3	23.2	318.6	30.0	4	804
434.6 4/ 434.6 6.8 40.4 434.6 6.8 40.7 653.6 77.5 114.4 12.7 127.1 25.2 282.3 3 1. 307.5 600.7 0.2 908.3 12.8 49.7 673.6 56.7 815.4 25.2 282.3 3 552.6 0.1 653.5 10.0 2.1 13.2 14.5 56.7 815.4 26.7 816.6 15.6 15.0 15.0 48.9 15.0 9.6 17.7 48.9 9.6 17.5 17.7 48.9 9.6 17.0 216.0 25.2 26.0 17.7 48.9 9.6 17.0 216.0 25.2 26.0 17.7 48.9 9.6 17.0 216.0 25.2 26.0 17.7 48.9 9.6 17.0 216.0 25.2 26.0 10.6 17.7 10.0 216.0 26.0 11.0 26.0	JAN MAR.		1 1	41	633.9	0	8	8.7	178.6	197.8		199.3	27.8		400
465.4 659.1 0.3 1,122.9 41.3 43.7 673.6 758.6 56.7 815.4 25.2 282.3 10.5 55.8 0.1 653.5 10.0 2.1 135.2 147.3 3.6 150.9 18.8 634.6 50.2 4/ 502.6 2.1 135.2 147.3 3.6 150.9 18.8 634.6 50.2 4/ 502.6 9.8 2.1 155.2 147.3 3.6 150.9 18.7 464.9 166.7 170.4 9.8 533.4 523.0 642.0 0.3 565.3 13.7 22.2 166.7 18.7 66.7 7.0 216.0 10.2 549.2 10.6 22.2 10.6 17.6 2.4 56.7 110.8 2.4 56.7 110.8 2.4 56.7 110.8 110.0 110.0 110.0 110	APR MAY	434.6	1	41	434.6	6.8	!	30.6	77.0	114.4	12.7	127.1	25.2		307.
7. 507.5 600.7 0.2 998.3 12.8 2.1 125.2 147.3 3.6 150.9 17.7 464.9 552.6 47 552.6 9.8 2.1 115.2 147.3 3.6 150.9 17.7 464.9 502.6 47 552.6 9.8 2.1 165.5 160.9 17.7 464.9 502.6 47 552.6 6.6 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9 17.0 2.9	MKT. YEAR	63	59	N)	,122		-	N)	900	50	56.7	815.4	10	82	307.5
10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.0	974/75														
183.4 183.2 18.5 18.6 18.5 18.7 18.7 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8 18.8	JUNE-SEPT.		600.7	0.2	0	W.	1 1	2.1	228 • 4	243.3	11.6	254.9	00 1	4	653
223.2 4/ 323.2 5.6 29.7 160.5 1/8.8 0.6 1/9.4 9.8 313.4 1 307.5 600.7 0.3 908.4 39.2 42.4 585.1 666.7 18.7 685.4 7.0 216.0 213.2 223.0 642.0 0.3 865.3 13.3 22.2 228.4 244.5 66.7 18.7 685.4 7.0 216.0 216.0 217.9 2.6 642.0 0.1 318.2 0.2 44.5 22.2 103.6 116.2 8.1 12.8 205.2 213.7 660.5 205.2 213.7 660.5 205.2 213.7 660.5 205.2 213.7 660.5 205.2 213.7 660.5 205.2 213.7 660.5 205.2 223.0 642.0 0.6 642.0 0.6 643.1 10.6 2.3 113.5 116.4 4.9 219.3 205.2 223.0 42.7 12.1 133.7 153.6 0.5 194.1 205.2 223.4 4.9 14.5 2.3 1133.5 116.4 4.9 219.3 205.2 223.4 4.9 14.5 2.3 1133.5 116.4 4.9 219.3 205.2 223.4 4.9 14.5 12.5 12.8 12.2 12.8 12.8 12.8 12.8 12.8 12.8	OCTDEC.		1	0.1	0	0	1	200	135.2	147.3	3.6	150.9	-	4	502
307.5 600.7 0.3 908.4 39.2 42.4 585.1 666.7 18.7 685.4 7.0 216.0 10.5 642.0 0.3 968.4 39.2 42.4 585.1 666.7 18.7 685.4 7.0 216.0 10.8 0.1 618.3 10.5 2.2 228.4 244.5 2.6 247.1 2.6 247.1 10.8 0.2 494.2 10.4 2.2 10.5 6.1 124.3 494.0 10.1 317.9 0.2 494.2 10.5 30.1 175.5 0.7 175.5 0.7 175.5 10.5 494.0 0.1 318.2 6.8 20.5 2.3 112.8 205.2 10.5 40.5 30.1 71.6 43.0 562.2 646.7 13.7 60.5 205.2 10.5 412.5 0.1 53.6 2.3 103.5 116.4 4.9 219.3 10.5 546.3 1.5 6.9 2.3 103.	CAN BAK		8 1	7 7	20	0		100	160.5	1/30	9.0	4.60		0	523
7.5 600.7 0.3 908.4 39.2 42.4 585.1 666.7 18.7 685.4 7.0 216.0 7. 618.2 0.1 618.3 113.3 2.2 228.4 244.5 2.6 247.1 2.6 615.6 8. 618.2 10.5 0.2 10.5 116.2 2.4 176.2 2.7 244.5 2.6 494.0 9. 0.1 318.0 6.8 30.1 73.6 110.5 2.3 112.8 30.5 2.5 2.5 110.5 2.3 112.8 205.2 2.5 2.5 112.8 205.2 2.5 2.5 112.8 205.2 2.5 2.5 112.8 205.2 2.5 2.5 112.8 205.2 2.5 2.5 112.8 205.2 2.5 112.8 205.2 2.5 112.8 205.2 2.5 2.5 2.5 2.5 205.2	AFI			P	V	0		1067	0 - 10	91.03	6.2	7.001		0	222
7.5 223.0 642.0 0.3 865.3 13.3 2.2 228.4 244.5 2.6 247.1 2.6 615.6 618.2 0.1 618.3 13.3 2.2 128.4 244.5 494.0 494.0 0.2 494.2 10.4 8.6 156.5 175.6 0.7 176.3 494.0 317.9 0.1 318.0 6.8 30.1 77.6 120.3 205.2 7 223.0 642.0 0.6 865.7 41.6 43.0 562.2 646.7 13.7 660.5 205.2 532.4 0.1 751.7 14.5 2.3 197.6 214.4 4.9 219.3 205.2 532.4 0.1 751.1 14.5 2.3 103.5 115.4 4.9 219.3 205.2 532.4 0.6 415.1 10.6 -	MKT. YEAR	307.5	1.0099	0.3	08	0	1	CA	85	9	18.7	5		16	223.6
7. 223.0 642.0 0.3 865.3 13.9 2.2 228.4 244.5 2.6 244.1 2.6 156.6 156.6 156.6 156.6 156.6 156.6 156.5 175.6 0.7 176.9 2.6 110.9 2.5 175.6 0.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 176.9 2.7 2.7 176.9 2.7 2.7 176.9 2.7 2.7 176.9 2.7 2.7 176.9 2.7 2.7 176.9 2.7 2.7 176.9 2.7 2.7 176.9 2.7 2.7 176.9 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	975/76			,											
4948.2 10.5 0.1 618.3 10.5 0.2 116.2 8.1 128.3 994.0 317.9 0.1 318.2 6.8 30.1 73.6 110.5 205.2 205.2 110.5 205.2 205.2 646.7 13.7 660.5 205.2 1 223.0 6.42.0 0.6 865.7 41.6 20.3 10.5 205.2 646.7 13.7 660.5 205.2 1 223.0 6.42.0 0.6 865.7 41.6 20.3 10.5 214.4 4.9 219.3 205.2 1 232.4 0.1 753.6 10.6 2.3 103.5 116.4 4.9 219.3 205.2 253.4 0.1 135.7 103.5 116.4 4.9 219.3 205.2 215.4 4.9 219.3 205.2 215.4 205.2	JUNE-SEPT.		642.0	0.3	865.3	13.3		2.5	228.4	244.5	5.6	247.1	5.6	615.6	618.
494.0	OCTDEC.		-	0.1	618.3	10.5	!	2.5	103.6	116.2	8 .	124.3	1 1	0.464	464
223.0 642.0 0.6 865.7 41.6 43.0 562.2 646.7 13.7 660.5 205.2 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532.4 532	- NA	D		2 .	404	10.4		0 0	156.5	175.6	1.0	176.3	1	317.9	317
203.0 642.0 0.6 865.7 41.6 43.0 562.2 646.7 13.7 660.5 205.2 6. 205.2 55.2 107.6 214.4 4.9 219.3 532.4 412.5 6.0 10.6 2.3 103.5 116.4 3.7 120.1 255.4 412.5 6.6 413.1 10.6 2.3 103.5 116.4 4.9 219.3 259.1 1 412.5 0.6 259.6 32.0 55.3 94.2 0.5 164.9 2 259.1 32.0 55.3 94.2 0.5 589.1 164.9 1 64.9 747.9 1.1 914.0 14.4 2.3 219.9 256.6 588.1 164.9 1 64.8 1.2 9.6 2.3 219.9 256.6 5.7 239.2 563.0 1	# E • E L #	6.110			0 10	0		20.00	0.0	C.011		1120		7 · C n 7	0002
[6] 205.2 546.3 0.1 751.7 14.5 2.3 197.6 214.4 4.9 219.3 532.4 4.2 532.4 4.9 219.3 532.4 4.9 219.3 532.4 4.9 219.3 532.4 4.9 219.3 532.4 4.2 5.2 116.4 5.7 120.1 6.6 6.9 9.1 13.5 116.4 9.7 120.1 0.6 259.6 6.9 32.0 55.3 155.5 0.5 154.1 164.9 747.9 1.1 914.0 14.4 2.3 219.9 236.6 2.7 239.2 674.8 112.2 674.8 553.0 0.6 563.6 9.3 7.3 127.6 1144.3 2.0 146.3 417.3	MKT. YEAR	: 223.0			10	-	-	100	562.2	9	13.7	09	1	10	205.2
205.2	976/17 5/					,									
532.4 0.1 532.6 10.6 2.3 103.5 116.4 3.7 120.1 412.5 12.6 1.6 4 3.7 120.1 412.5 1.6 4 3.7 120.1 259.1 1.6 4 3.7 120.1 259.1 1.6 4 3.7 120.1 259.1 1.6 4 3.7 120.1 164.9 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 4 3.7 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 5.3 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.1 1.6 120.	JUNE-SEPT.		546.3	0.1	751.7	4	1	2.3	197.6	214.4		G.	!	532.4	532.
412.5 6.6 413.1 10.6 25.0 15.5 0.5 154.1 259.1 13.7 153.5 0.5 154.1 259.1 13.7 153.5 0.5 154.1 259.1 15.7 153.5 0.5 154.2 0.5 154.2 1.5 154.9 1.5 153.0 42.7 45.7 490.1 578.5 9.6 588.1 164.9 164.9 164.9 1.0 14.4 1 2.3 219.9 236.6 2.7 239.2 674.8 1.0 15.3 1.0 15.3 12.6 110.4 112.2 553.0 1.0 15.3 12.6 1144.3 2.0 146.3 417.3 127.6 144.3 2.0 146.3 417.3	OCT DEC.			0.1	532.6	0	8 8	2.3	103.5	116.4		0	-	412.5	412.5
205.2 546.3 1.5 753.0 42.7 45.7 490.1 578.5 94.2 0.5 94.7 164.9 164.9 747.9 1.1 914.0 144.4 2.3 219.9 236.6 2.7 239.2 674.8 653.0 0.5 675.2 9.6 2.3 97.6 105.4 6.8 112.2 563.0 563.0 7.3 127.6 144.3 2.0 146.3 417.3	CANMAR.			9 • 9	413.1	0	1 1	9.1	133.7	9		3	1	259.1	259.1
205.2 546.3 1.5 753.0 42.7 45.7 490.1 578.5 9.6 588.1 164.9 164.9 747.9 1.1 914.0 14.4 2.3 219.9 236.6 2.7 239.2 674.8 674.8 0.5 675.2 9.6 2.3 93.6 105.4 6.8 112.2 563.0 563.0 0.6 563.6 9.3 7.3 127.6 144.3 2.0 146.3 417.3	APRMAY	259.1	-	9.0	259.6	6.9	-	32.0	55.3			4	-	164.9	164.
164.9 747.9 1.1 914.0 14.4 2.3 219.9 236.6 2.7 239.2 674.8 17.3 127.6 144.3 2.0 146.3 417.3	MKT. YEAR	205.2			53	ev.	1	50	90	90		00	-	64.	164.9
164.9 747.9 1.1 914.0 14.4 2.3 219.9 236.6 2.7 239.2 674.8 574.8 553.0 0.5 675.2 9.6 2.3 93.6 105.4 6.8 112.2 563.0 553.0 7.3 127.6 144.3 2.0 146.3 417.3	15 811116														
674.8 0.5 675.2 9.6 2.3 93.6 105.4 6.8 112.2 563.0 563.0 0.6 563.6 9.3 7.3 127.6 144.3 2.0 146.3 417.3	JUNE-SEPT.		147.9	1.1		14.4	1 1 1	2		M)	2.7		-	674.8	674.
355.00 U-6 355.00 7-5 (-3 127.66 144.53 2-0 1456.53 417.63	0CT - DEC.		:	0.5		9.6	1 1 1	1 10		0	6.8		-	563.0	563.0
	APR MAY		1	9	0	•		0.0		3	0		8 8	41/•3	41/

1/ DATA MAY NOT ADD TO TOTALS DUE TO INDEPENDENT ROUNDING. 2/ UNCOPMITTED INVENTORY. 3/ INCLUDES TOTAL GOVERNMENT LOANS (ORIGINAL AND RESEAL). 4/ LESS THAN 50,000 BUSHELS. 5/ PRELIMINARY.

TABLE 12. --BARLEY: MARKETING YEAR SUPPLY AND DISAPPEARANCE, SPECIFIED PERIODS, 1973-77 1/

NIGHT PRODUCT IN- 190 NIGHT			SUPPLY	*	***			DI	DISAPPEARANCE	CE		•• ••	END	ENDING STOCKS	
NORMS: TOTAL: FOOD: REVERS: SEED: FEED: TOTAL: PORTS: DIAMPHOLISM CONTROL	PERIODS	1				1	000	ESTIC	3E		2				
FEPT. 191-5 417-4 2-5 611-4 2-9 43.3 III 104-9 162-3 38-1 42.0 417-4 2-5 611-4 2-9 43.3 III 104-9 50-1 62-4 52-6 52-6 52-6 52-6 52-6 52-6 52-6 52-6	JUNE 1	NING STOCKS	TION	PORTS	OTAL	FOOD	ALC	SE	FEED		PORTS	0	OWNED 2/	VATELY :	TOTAL
191.5 417.4 2.5 611.4 2.9 43.3 1.1 104.9 152.3 38.1 421.0 1.0 425.0 2.1 28.1 2.0 50.1 82.4 22.6 210.0 1.0 32.0 2.1 2.2 5.0 50.1 88.1 18.1 18.1 18.1 214.8 1.0 32.0 2.1 2.2 2.0 50.1 88.2 18.1 18.1 18.1 18.1 191.5 417.4 8.9 617.8 8.6 124.1 14.2 231.7 378.5 93.0 102.8 417.4 8.6 124.1 14.2 231.7 378.5 93.0 102.8 417.4 8.6 124.1 14.2 231.7 378.5 93.0 146.3 298.7 2.0 2.0 2.1 27.4 2.2 35.9 47.6 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2		0 0 0 0 0 0						MILLION	00						
191.5	1973/74														
191.5 417.4 8.9 617.8 8.6 124.1 14.2 231.7 378.5 93.0	JUNE-SEPT.		4	2.0	611.4	5.0	\$ 50 c	1.1	104.9	152.3	38.1		9.0	450.4	421.0
191.5 417.4 8.9 617.8 8.6 124.1 14.2 231.7 23.6 55.8 14.1 196.3 298.7 7.6 452.6 2.9 47.8 1.3 87.2 139.1 10.7 1346.3 298.7 7.6 452.6 2.9 47.8 1.3 87.2 139.1 10.7 1346.3 298.7 2.6 209.2 2.1 28.7 3.8 2.2 1346.3 298.7 20.2 465.2 2.1 28.7 3.8 3.0 146.3 298.7 20.2 465.2 2.1 28.7 3.8 3.0 146.3 298.7 20.2 465.2 2.1 28.7 3.8 3.0 146.3 298.7 20.2 465.2 2.1 28.7 3.8 3.0 146.3 298.7 20.2 465.2 2.8 48.5 1.2 2.8 146.3 298.7 20.2 465.2 2.8 48.5 1.2 124.2 27.8 2.8 48.2 1.2 2.8 48.8 146.3 298.7 20.2 48.2 1.2 2.8 127.9 372.5 5.6 505.9 2.9 48.2 1.2 3.0 127.9 372.5 10.9 511.2 8.6 131.5 17.9 161.2 319.2 127.9 372.5 10.9 511.2 8.6 131.5 17.9 161.2 319.2 127.9 372.5 10.9 511.2 8.6 131.5 33.8 127.9 403.3 1.8 405.2 2.1 27.9 4.3 52.6 50.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 52.6 50.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 52.6 50.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 52.6 50.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 52.6 50.9 30.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 52.6 50.9 30.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 52.6 50.9 30.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 52.6 50.9 30.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 52.6 50.9 30.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 52.6 50.9 30.9 127.9 403.3 1.8 405.2 2.1 32.0 4.3 32.0 32.0 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9 30.9	JAN - MAR	320.0		1.0	321.00	2 . 1	29.52	0 4	0.00	888	18.1		0 0 0	21402	214.
191.5 417.4 8.9 617.8 8.6 124.1 14.2 231.7 378.5 93.0 196.3 298.7 7.6 452.6 2.9 47.8 1.5 27.4 2.2 35.9 13.9 227.8 2.6 2.0 27.4 2.2 35.9 67.6 13.9 136.2 2.6 2.0 27.4 2.2 35.9 67.6 13.9 136.2 2.6 2.0 27.4 2.2 35.9 67.6 13.9 146.3 298.7 20.2 2.1 28.6 126.5 15.7 179.9 370.7 42.2 146.3 27.4 2.1 27.4 2.2 28.1 60.9 42.2 146.3 27.4 2.1 27.9 46.2 129.2 40.2 127.9 47.4 2.1 27.9 37.7 58.1 60.9 127.9 37.4 15.5 129.2 129.2 60.9 127.9 37.4 15.5 129.2 129.2 129.6 127.9 37.4 15.5 18.4 77.1 129.6 129.8 127.9 372.5 10.9 51.	APR MAY	214.8		1.4	216.2	1.5	23.1	7.7	23.6	55.8	14.1		4.0	145.9	146.
146.3 298.7 7.6 452.6 2.9 47.8 1.3 88.2 139.1 110.7 207.8 6.4 309.2 2.1 27.4 2.2 35.9 67.6 139.1 110.7 135.2 2.5 230.2 2.1 28.7 3.8 45.2 67.6 12.2 146.3 298.7 20.2 28.6 126.5 15.7 179.9 40.2 5.4 146.3 298.7 20.2 46.2 1.5 7.7 40.2 5.4 146.3 27.9 46.2 15.7 179.9 42.2 5.4 188.2 27.9 46.2 1.5 7.7 40.2 5.6 273.9 2.7 276.9 46.2 1.2 78.9 129.2 184.2 1.6 1.65.8 1.5 2.1 17.9 1.2 4.5 5.8 127.9 372.4 1.6 1.6 2.0 2.2 1.6 1.6 1.6 1.6 1.6 1.6 1.6	MKT. YEAR	191	417.4			8.6	124.1	14.2	231.7	378.5	163		0.4	145.9	146.3
1.6.5 298.7 7.6 452.6 2.9 47.8 1.3 87.2 139.1 110.7 2.02.8 2.6 4.0 2.1 27.4 2.2 35.9 67.6 13.9 134.2 2.0 4.5 2.0 2.1 28.7 49.2 8.6 12.9 146.3 2.98.7 20.2 465.2 8.6 126.5 15.7 179.9 50.0 5.4 146.3 2.98.7 20.2 465.2 8.6 126.5 15.7 179.9 530.7 40.2 5.4 1.46.3 2.98.7 20.2 465.2 1.2 78.9 129.2 5.4 5.4 5.0 50.9 5.4 5.4 5.0 5.4 5.4 5.4 5.0 5.4 5.4 5.0 5.4 5.4 5.0 5.4 5.4 5.0 5.4 5.4 5.0 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4	1974/75														
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134.2	OCTDEC.		•	4.0	309.2	2.7	27.4	200	35.9	67.6	00	81.0	-	227 •8	227.8
146.3 298.7 20.2 465.2 8.6 126.5 15.7 179.9 330.7 42.2 23.8 4.5 273.8 4.6 5 344.4 2.9 46.2 1.2 78.9 129.2 330.7 42.2 273.8 1.6 185.8 1.5 22.2 2 8.4 19.9 51.9 51.9 6.1 129.2 273.8 1.6 185.8 2.1 24.7 15.5 182.0 330.8 23.8 23.8 271.2 1.6 189.7 1.5 24.5 59.7 17.8 530.8 23.8 127.9 372.5 10.9 511.2 8.6 131.5 17.9 161.2 319.2 66.3 328.9 125.7 415.8 5.1 546.6 2.9 46.7 1.4 57.4 108.4 34.9 46.7 1.6 52.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.5 50.6 50.6	- ZAZ- ZAZ-	22/08	• 1	0 0	23003	2.1	280	0 00 W	4000	0000	NE	7601		1040	1340
146.3 298.7 20.2 465.2 8.6 126.5 15.7 179.9 330.7 42.2 18.1 339.8 4.6 344.4 2.9 46.2 1.2 78.9 129.2 4.5 184.2 4.6 344.4 2.9 46.2 1.2 78.9 129.2 4.5 184.2 1.6 185.8 1.5 2.1 27.9 3.7 55.1 60.9 9.7 127.9 372.6 372.5 5.6 505.9 2.9 48.2 1.2 55.1 8.6 1.2 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2 8.6 1.2	A L L L L L L L L L L L L L L L L L L L	7	•	0 0	131.60	7.0	9.22	0	101	7004	0	0		2026	26
To: 352.2 374.4 6.8 473.4 2.9 46.2 1.2 78.9 129.2 4.5 5.73.8 4.6 5.44.4 2.1 27.9 3.7 55.1 86.9 9.7 5.73.8 1.6 185.8 1.5 22.2 8.4 19.9 51.9 51.9 6.1 84.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1	MKT. YEAR	146.3		20.5	65.		126.5	15.7	179.9	30	CV	372.9	* * *	92.5	92.2
184.2 392.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.8 372.	1975/76														
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75.8	OCTDEC.	339.8		4.6	3440	50	28.5		28.1	6.09	1.6	_		273.8	2730
7. 127.9 372.5 5.6 505.9 2.9 48.2 1.4 77.1 129.6 15.0 127.9 372.5 5.6 505.9 2.1 28.2 2.5 30.4 63.2 27.8 127.9 372.5 10.9 511.2 8.6 131.5 17.9 161.2 319.2 66.3 127.9 372.5 10.9 511.2 8.6 131.5 17.9 161.2 319.2 66.3 528.0 528.0 6.3 528.0 6.3 528.0 6.3 528.0 6.3 528.0 6.3 528.0 6.3 528.0 6.3 528.0 6.3 528.0 6.3 528.0 52.0 528.0 6.3 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0 528.0	JAN - MAR.	273.8	1	2.7	276.5	2 . 1	27.9		55.1	00 0	3.6	0 1		184.2	184.
7. 127.9 372.5 5.6 505.9 2.9 48.2 1.4 77.1 129.6 15.0 127.9 372.5 5.6 505.9 2.1 28.2 2.5 30.4 77.1 129.6 15.0 128.1 127.9 372.5 10.9 511.2 8.6 131.5 17.9 161.2 319.2 66.3 17.8 125.7 415.8 5.1 546.6 2.9 46.7 1.4 57.4 108.4 34.9 17.8 52.8 52.5 90.9 329.9 2.1 32.0 4.3 52.5 90.9 33.0	APRMAY	184.2		1.6	182.8	1.5	22.5		19.9	51.9	6.1	D		127.9	127.
Te: 127.9 372.5 5.6 505.9 2.9 48.2 1.4 77.1 129.6 15.0 51.3 1.0 362.3 2.1 28.2 2.5 30.4 63.2 27.8 63.2 27.8 188.1 1.6 189.7 1.5 24.5 9.7 17.8 53.5 10.5 127.9 372.5 10.9 511.2 8.6 131.5 17.9 161.2 319.2 66.3 528.0 1.8 405.2 2.1 27.9 2.5 30.2 62.7 14.4 57.4 108.4 34.9 328.0 1.9 329.9 2.1 32.0 4.3 52.5 90.9 3.0	MKT. YEAR	92.	-	10	82		24	50	82	0	M	54.	8 8	127.9	127.9
127.9 372.5 5.6 505.9 2.9 48.2 1.4 77.1 129.6 15.0 36.4 63.2 27.8 2 1.0 362.3 2.1 28.2 2.5 30.4 63.2 27.8 2 1.0 362.3 2.1 28.2 2.5 30.4 63.2 27.8 2 1.0 36.2 2.1 28.2 2.5 35.4 10.5 17.9 161.2 319.2 10.5 2 1.0 5 11.2 8.6 131.5 17.9 161.2 319.2 66.3 10.5 403.3	1976/77 4/														
561.3 1.0 562.3 2.1 28.2 2.5 50.4 63.2 27.8 188.1 1.6 189.7 1.5 24.5 30.6 4.3 35.9 72.9 12.9 12.9 12.9 2.6 5.3.9 72.9 72.9 12.9 12.9 12.9 12.9 12.9 12.9 12.9 1	JUNE -SEPT.		372.		505.9		48.2			Cr.	15.0	144.6	1	361.3	361.
188.1 1.6 189.7 1.5 24.5 9.7 17.8 53.5 10.5 12.7 1.6 53.5 10.5 12.7 1.6 53.5 10.5 12.7 1.6 53.5 10.5 12.7 1.6 53.5 10.5 12.7 1.6 53.5 10.5 12.8 5.1 546.6 2.9 46.7 1.4 57.4 108.4 34.9 1.5 52.8 1.6 52.7 14.4 1.6 57.4 108.4 34.9 1.5 52.8 1.6 52.7 14.4 1.6 57.4 108.4 34.9 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8 1.6 57.8	OCTDEC.				362		28.5			63.0	27.8	e ()	1	271.2	271.
7 : 127.9 372.5 10.9 511.2 8.6 131.5 17.9 161.2 319.2 66.3 [6.3] [1.5] 125.7 415.8 5.1 546.6 2.9 46.7 1.4 57.4 108.4 34.9 403.3 1.8 405.2 2.1 27.9 2.5 30.2 62.7 14.4 57.8 52.5 90.9 3.0 3.0	APRMAY	188.1	1		189.7		24.5			53.5	10.5	64.0	1	125.7	125.7
125.7 415.8 5.1 546.6 2.9 46.7 1.4 57.4 108.4 34.9 143.8 403.3 328.0 1.8 405.2 2.1 27.9 2.5 30.2 62.7 14.4 77.8 328.0 1.9 329.9 2.1 32.0 4.3 52.5 90.9 3.0 93.0 93.0 93.0 93.0 93.0 93.0	MKT. YEAR	27.		0	511.2		(A)	-	61		9	385.5	8 8	125.7	125.7
328.0 1.9 329.9 2.1 32.0 4.3 52.5 90.9 3.0 93.	-	125.7	4 1 5	IC.	746		46.7	4	57.4	OX.	45	7.47	8	403-3	403
328.0 1.9 329.9 2.1 32.0 4.3 52.5 90.9 3.0 93.	OCT DFC.	403+3			405.2		1		. C	50	14.4	77.1		328.0	328.
W.T. VEAD	JANMAR.	328.0			329.9		· CV		NO I	10	3.0	93.6	:	236.0	236.0
* 221 * 22	MKT. YEAR														

TABLE 13. -- FEED GRAINS: FEED YEAR SUPPLY AND DISAPPEARANCE, SPECIFIED PERIODS, 1973-77 1/(CORN, SORGHUM, OATS, BARLEY)

BEGIN- PRODUCC NING TION 570CKS: TO 40.7 167.5 146.5 T. 62.2 15.2 T. 62.2 15.2 T. 62.9 135.2 T. 29.9 135.2 T. 29.9 152.7 T. 29.9 152.7 T. 29.9 152.7 T. 29.9 152.7 T. 29.9 152.7	P 0 0	TOTAL			1 1 1 1 1 1							
STOCKS STOCKS TOCKS TOCK	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OTAL			ESTIC U							
146.5 93.5 15.2 162.2 152.2 135.4 17.2 138.6 138.6 138.6 138.6 138.6 152.8 152.0 177.0	0 0 0	8 8 8	000	S C E S C I	SEED	F E E	TOTAL	PORTS	10	NED	VATELY OWNED 3/	TOTAL
140.7 167. 93.55 62.2 15. 1149.4 1149.4 129.9 135. 126.4 167. 138.6 152. 158.6 157.1 16.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Σ	ILLION M	ETRIC TO	NS	8 8 8 8 8	8 8 9 9 8 8			8 8 8
146.55 162.2 155. 164.45 164.45 17. 182.65 17. 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65 188.65	44.	000	4			0.74	4	6	7.17	6	4	
7. 62.2 15. 1. 62.2 15. 1. 62.2 135. 1. 64.6 17. 1. 29.9 135. 1. 29.9 152. 1. 29	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	146.5	200	1 .	9 0	38 . 4	4 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10.7	53.0	0 0	93.0	93.
1149-99 135- 1149-99 135- 69-59 135- 69-59 152- 128-64 167- 138-64 167- 128-64 183- 127-0 177- 148-6 177-	2	93.6	3.5	1.7	000	31.5	36.7	11.0	31.04	000	61.8	62.2
29.99 135. 114.44	0.0	223.7	7.6	6.4	1 • 5	138.1	154.2	39.6	193.8	0 .3	29.6	29.9
29.99 135. 114.94 17. 138.65 1152. 138.69 167. 138.69 167. 148.60 177.												
138.6 138.6 138.6 152. 138.6 157.1 167.1 148.6 177.	0.5	165.3	200		0 0	3000	4 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	00 .	0 0 0	0.3	114.1	114.
7. 46.8 17. 152. 152. 152. 152. 152. 152. 152. 157. 158. 158. 158. 158. 158. 158. 158. 158		0 0			0 0	14.0	1700	5.1	0 00	0.1	46.44	679
29.9 152. 138.6 138.6 1.57.1 16. 27.0 177.	0 . 2	4			0.2	22.5	27.6	10.4	38.0	41	26.4	26.4
26.4 167. 138.6 16.9 16. 57.1 16. 26.4 183.	0.5	183.1	10.1	4 U	1.5	105.1	121.2	35.5	156.7	41	26.4	26.4
26.4 167. 138.6 57.1 16. 26.4 183. 148.6 17.												
138.6 57.1 16.5 26.4 183.	0.1	193.7	2 .	1.1	0.1	37.8	41.7	13.5	55.1	8 8	138.6	138.
7. 57.1 16. 2. 26.4 183. 2. 27.0 177.	0.1	M 0	00 0 0 -	1.0	9 0	35.6	39.7	12.1	510		86.9	9 100
27.0 177.	0.1	73.3	9 .	1.7	0 . 2	24.8	30.3	15.9	46.2		27.0	27.0
27.0 177.	4.0	210.0	11.0	4.6	1.5	115.6	132.7	50.3	183.0	8	27.0	27.0
148.6	,		(4					i i			
	0 - 1	148.7	200	1 . 0	0.3	32.7	37.1	10.0	000 000 000	: :	14805	0 0
0.66	0.1	99.1	1.9	0	1.0	16.8	20.6	000	28.9	1	70.07	70-
T.: 70.2 19.	0.5	90.3	3.8	1.7	0.2	25.9	31.6	15.3	6.94	-	4.04	430
FEED YEAR : 27.0 197.4	0.3	224.7	11.5	8 • 4	1.6	112.5	130.4	51.0	181.4	1	43.4	43.4
**************************************	•	u c				0	(u			
0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 0010 - 00	0 0	169.8) N	1.2	- M - M - M	- α • • • • • • • • • • • • • • • • • • •	0 M 0 0 M 0 M 0 M 1 M 1 M 1 M 1 M 1 M 1	12.3	50.00	4	119.2	119.2

1/ DATA MAY NOT ADD TO TOTALS DUE TO INDEPENDENT ROUNDING. 2/ UNCOMMITTED INVENTORY. 3/ INCLUDES TOTAL GOVERNMENT LOANS (ORIGINAL AND RESEAL). 4/ LESS THAN 50,000 METRIC TONS. 5/ PRELIMINARY.

Table 14,.--Coarse grains and wheat: Production and trade, selected world areas (July-June) 1976/77-1978/79

Production Canada Australia Argentina South Africa	Coareo											
a a rica	COGLSC	Wheat	: Total	Coarse	Wheat	: Total	: Coars	Coarse rain 1/	W.	Wheat	To	Total
a a rica	grain 1/ :			grain 1/			: Alt. I	: Alt. II	: Alt. I	: Alt. II	: Alt. I	: Alt. II
a rica						- Million	metric tons	Su				
a rica			1				***					
a rica	21.1	23.6	1.44	22.1	16.1	41.8	21.9	17.3	20.7	16.9	42.6	34.2
a :	2.0	11.7	16.7	4.4	9.3	13.7	6.7	5.1	13.8	12.2	20.5	17.3
rica :	16.9	11.0	27.9	16.9	5.2	22.1	18.4	14.2	8.3	6.1	26.7	20.3
Thailand	10.1	2.3	12.4	10.4	1.8	12.2	12.0	8.0	1		12.0	8.0
	3.0	-	3.0	2.0	-	2.0	3.7	2.0	1	-	3.7	2.0
Brazil :	19.4	3.0	22.4	15.1	2.0	17.1	22.1	18.1		-	22.1	18.1
Western Europe :	73.1	51.1	124.2	87.8	48.0	135.8	87.6	84.4	55.0	47.6	142.6	132.0
USSR : 1	115.0	6.96	211.9	92.5	92.0	184.5	106.7	93.3	110.3	89.7	217.0	183.0
Eastern Europe :	59.5	34.6	94.1	59.3	34.4	93.7	61.7	60.5	35.3	32.7	97.0	93.2
**	182.7	123.1	305.8	177.8	114.0	291.8	187.9	182.9	99.5	6.76	287.4	280.8
Total foreign: 5	505.7	357.3	863.0	488.3	326.5	814.8	523.7	491.7	376.9	330.1	9.006	821.8
Exports												
Canada :	9.4	12.9	17.5	3.2	16.0	19.2	3.7	4.7	14.0	16.0	17.7	20.7
Australia :	3.3	8.5	11.8	2.2	10.5	12.7	2.1	2.5	7.9	9.1	10.0	11.6
Argentina :	9.5	5.6	15.1	8.6	2.5	12.3	8.8	10.8	2.4	.2.8	11.2	13.6
South Africa :	1.4		1.4	2.9	1 1 1	2.9	3.2	4.0	1	4	3.2	4.0
Thailand :	2.3	-	2.3	1.0	1	1.0	2.0	2.2			2.0	2.2
Brazil :	1.3		1.3	1.0		1.0		0.2	1			0.2
Western Europe :	4.5	9.9	11.1	5.3	5.7	11.0	6.1	3.7	2.6	2.8	11.7	9.5
USSR	2.0	1.0	3.0	1.0	1.0	2.0	1.5	0.5	1.0	1.0	2.5	1.5
others :	2.7	2.6	5.3	3.5	4.4	7.9	4.1	3.7	4.5	3.9	8.6	7.6
	50.6	25.7	76.3	51.3	29.7	81.0	44.5	53.3	27.0	35.2	71.5	88.5
World total :	82.1	62.9	145.0	81.3	8.69	151.1	76.0	85.6 3/	62.4	73.8 3/	138.4	159.4 3/
Imports												
Western Europe :	35.6	5.4	41.0	25.4	7.0	32.4	23.8	28.2	5.2	6.2	29.0	34.4
From USA :	26.5	2.3	28.8									
**	16.0	5.5	21.5	16.4	5.6	22.0	17.7	16.7	5.7	5.7	23.4	22.4
m USA :	00 1	3.1	12.9		(,	6	
USSK	0.0	0.0	10.0	11.0	0.0	19.0	7.7	12.8	5.3	1.9	17.5	19.5
Factory Firence .	7 00	0.0	15.3	7 8	9 7	13.0	0 9	00	7 76	9 7	10 %	12.6
From USA	5.2	1.6	6.8									
	16.7	40.5	57.2	20.1	44.6	64.7	21.3	19.9	41.8	50.6	63.1	70.5

1/ Includes corn, barley, oats, sorghum, and rye, excluding products. 2/ Alternative I assumes relatively favorable worldwide crop conditions. Based on historical differences between the April/May projection and subied country or region will fall within these early seasons alternative projections. 3/ Represents totals of the amounts listed above; because offsetting weather variations, a 2 out of 3 probability range for this total, itself, would be substantially narrower than the range shown sequent final outturns, and the judgement of the reviewing analysts, the chances are about 2 out of 3 that the final outcome for each specifhere between Alternatives I and II. The same would be the case for aggregate wheat and coarse grains.

Year	1	:	:	:	:		: :	:		:			:	Average
	:	Oct. :	Nov. :	Dec. :	Jan. 1	Feb.	Mar.	Apr.	May :	June :	July :	Aug.		weighted
ning		:	:	:	:		1 1		:	:	:			by sales
October			:	:	:		: :	D 11	:	:	:		: :	1/
								- <u>Doll</u>	ars					
	:						00	DN nor	hugho1					
	-						CC	KN, per	bushel					
972	:	1.19	1.20	1.42	1.39	1.35	1.37	1.42	1.61	1.99	2.03	2.68	2.15	1.57
.973		2.17	2.18	2.39	2.59	2.76	2.68	2.41	2.45	2.57	2.91	3.37	3.30	2.55
974		3.45	3.32	3.27	3.07	2.86	2.67	2.68	2.66	2.68	2.72	2.95	2.76	3.03
1974		2.62	2.33	2.37	2.44	2.48	2.50	2.46	2.61	2.74	2.82	2.64	2.60	2.54
		2.33	2.02	2.24	2.34	2.34	2.35	2.31	2.25	2.12	1.88	1.63	1.60	2/2.15
L976 L977		1.67	1.33	1.96	2.00	2.03	2.15	2.26				1.03	1.00	$\frac{2}{3}/2.05$
1977		1.07	1.00	1.90	2.00	2.03			r 100 po	unde				3/2.03
	-						SUNGI	iun, per	100 po	unus				
972	:	2.09	2.19	2.72	2.72	2.60	2.60	2.56	2.66	3.10	3.46	3.64	3.87	2.45
1973		3.65	3.66	3.83	4.03	4.38	4.25	3.78	3.59	3.59	4.15	5.07	5.30	3.82
1974		5.78	5.85	5.33	4.96	4.21	4.03	4.15	4.21	4.15	4.25	4.69	4.56	4.96
1975		4.43	4.05	4.00	4.06	4.09	4.14	4.14	4.14	4.29	4.53	4.03	4.20	4.23
1976		3.68	3.30	3.51	3.59	3.51	3.55	3.44	3.18	3.08	2.84	2.63	2.52	2/3.62
1977	:	2.80	3.03	3.05	3.15	3.20	3.37	3.52	3.10	3.00	2.04	2.03	2.12	3/3.12
	:	2.00	2.02	3.03	3.13	3.20	3.31	3.32						31 3.12
Year	:	:	:	:	:		:		: :	:		:	: :	Average
begin-	:													weighted
ning	:	June :	July:	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	-
June	:						:		: :				:	
- Care	:								er bushe					
	:						-			_				
	:							OA'	TS					
1972	:	.666	.655	.623	.645	.671	.700	.806	.811	.776	.771	.774	.796	.725
1973	:	.904	.855	1.13	1.09	1.14	1.13	1.20	1.32	1.44	1.40	1.24	1.27	1.18
1974	:	1.30	1.37	1.55	1.57	1.68	1.70	1.70	1.62	1.58	1.46	1.51	1.54	1.53
1075	:	1.49	1.45	1.44	1.45	1.41	1.40	1.42	1.44	1.46	1.46	1.44	1.47	1.46
19/5				1.48		1.46	2 15			1 62			1.52	2/1.56
		1.64	1.64	1.48	1.49	1.40	1.45	1.51	1.58	1.63	1.64	1.64	1.04	
1976	:		1.64	.905	.938	1.02	1.45	1.51	1.58	1.22	1.64	1.64	1.02	2/1.15
1976	:	1.64							1.17				1.52	_
1976	: : : : :	1.64	1.02		.938	1.02	1.10	1.12 BAR	1.17 LEY	1.22	1.16	1.21		2/1.15
1976 1977	: : : : :	1.64		.905	1.07			1.12	1.17				1.32	2/1.15 1.21
1976 1977 1972	: : : : :	1.64 1.29 1.09 1.55	1.02 1.04 1.58	.905 .957 2.10	.938 1.07 2.16	1.02	1.10 1.21 2.10	1.12 BAR 1.32 2.19	1.17 LEY 1.42 2.32	1.22 1.34 2.52	1.16	1.21	1.39 2.19	2/1.15 1.21 2.13
1976 1977 1972 1973	: : : : :	1.64 1.29 1.09 1.55 2.25	1.02 1.04 1.58 2.33	.905 .957 2.10 2.78	.938 1.07 2.16 2.86	1.02 1.17 2.23 3.11	1.10 1.21 2.10 3.41	1.12 BAR 1.32 2.19 3.30	1.17 LEY 1.42 2.32 3.17	1.22 1.34 2.52 2.39	1.16 1.31 2.61 2.55	1.21 1.31 2.15 2.72	1.39 2.19 2.75	$\frac{2}{1.15}$
1976 1977 1972 1973 1974 1975		1.64 1.29 1.09 1.55 2.25 2.30	1.02 1.04 1.58 2.33 2.35	.905 .957 2.10 2.78 2.56	1.07 2.16 2.86 2.69	1.02 1.17 2.23 3.11 2.68	1.10 1.21 2.10 3.41 2.43	1.12 BAR 1.32 2.19 3.30 2.35	1.17 LEY 1.42 2.32 3.17 2.31	1.22 1.34 2.52 2.39 2.31	1.16 1.31 2.61 2.55 2.34	1.21 1.31 2.15 2.72 2.31	1.39 2.19 2.75 2.41	2/1.15 1.21 2.13
1976 1977 1972 1973 1974 1975 1976		1.64 1.29 1.09 1.55 2.25 2.30 2.60	1.02 1.04 1.58 2.33 2.35 2.51	.905 .957 2.10 2.78 2.56 2.35	1.07 2.16 2.86 2.69 2.33	1.02 1.17 2.23 3.11 2.68 2.22	1.10 1.21 2.10 3.41 2.43 2.11	1.12 BAR 1.32 2.19 3.30 2.35 2.08	1.17 LEY 1.42 2.32 3.17 2.31 2.19	1.22 1.34 2.52 2.39 2.31 2.19	1.16 1.31 2.61 2.55 2.34 2.25	1.21 1.31 2.15 2.72 2.31 2.22	1.39 2.19 2.75	1.21 2.13 2.80 2.42 2/2.25
1976 1977 1972 1973 1974 1975 1976		1.64 1.29 1.09 1.55 2.25 2.30	1.02 1.04 1.58 2.33 2.35	.905 .957 2.10 2.78 2.56	1.07 2.16 2.86 2.69	1.02 1.17 2.23 3.11 2.68	1.10 1.21 2.10 3.41 2.43	1.12 BAR 1.32 2.19 3.30 2.35	1.17 LEY 1.42 2.32 3.17 2.31	1.22 1.34 2.52 2.39 2.31	1.16 1.31 2.61 2.55 2.34	1.21 1.31 2.15 2.72 2.31	1.39 2.19 2.75 2.41	1.21 2.13 2.80 2.42
1976 1977 1972 1973 1974 1975 1976 1977	** ** ** ** ** ** ** **	1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53	.905 .957 2.10 2.78 2.56 2.35 1.53	.938 1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63	1.10 1.21 2.10 3.41 2.43 2.11 1.82	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88	1.22 1.34 2.52 2.89 2.31 2.19 1.98	1.16 1.31 2.61 2.55 2.34 2.25 1.89	1.21 1.31 2.15 2.72 2.31 2.22 1.96	1.39 2.19 2.75 2.41 2.12	1.21 2.13 2.80 2.42 2/2.25
1976 1977 1972 1973 1974 1975 1976 1977	** ** ** ** ** ** ** **	1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53	.905 .957 2.10 2.78 2.56 2.35 1.53	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63	1.10 1.21 2.10 3.41 2.43 2.11 1.82	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88	1.22 1.34 2.52 2.39 2.31 2.19 1.98	1.16 1.31 2.61 2.55 2.34 2.25 1.89	1.21 1.31 2.15 2.72 2.31 2.22 1.96	1.39 2.19 2.75 2.41 2.12	1.21 2.13 2.80 2.42 2/2.25 2/1.80
1976 1977 1972 1973 1974 1975 1976 1977 Year begin-	** ** ** ** ** ** ** ** ** **	1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53	.905 .957 2.10 2.78 2.56 2.35 1.53	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63	1.10 1.21 2.10 3.41 2.43 2.11 1.82	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88	1.22 1.34 2.52 2.39 2.31 2.19 1.98	1.16 1.31 2.61 2.55 2.34 2.25 1.89	1.21 1.31 2.15 2.72 2.31 2.22 1.96	1.39 2.19 2.75 2.41 2.12	1.21 2.13 2.80 2.42 2/2.25 2/1.80 Average weighter
1976 1977 1972 1973 1974 1975 1976 1977 Year begin- ning	** ** ** ** ** ** ** **	1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53	.905 .957 2.10 2.78 2.56 2.35 1.53	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63	1.10 1.21 2.10 3.41 2.43 2.11 1.82	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88	1.22 1.34 2.52 2.39 2.31 2.19 1.98	1.16 1.31 2.61 2.55 2.34 2.25 1.89	1.21 1.31 2.15 2.72 2.31 2.22 1.96	1.39 2.19 2.75 2.41 2.12	1.21 2.13 2.80 2.42 2/2.25 2/1.80 Average weighted
1976 1977 1972 1973 1974 1975 1976 1977 Year begin-		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53	.905 .957 2.10 2.78 2.56 2.35 1.53	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63	1.10 1.21 2.10 3.41 2.43 2.11 1.82	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88	1.22 1.34 2.52 2.39 2.31 2.19 1.98	1.16 1.31 2.61 2.55 2.34 2.25 1.89	1.21 1.31 2.15 2.72 2.31 2.22 1.96	1.39 2.19 2.75 2.41 2.12	1.21 2.13 2.80 2.42 2/2.25 2/1.80 Average weighter
1976 1977 1972 1973 1974 1975 1976 1977 Year begin- ning		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53	.905 .957 2.10 2.78 2.56 2.35 1.53	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63	1.10 1.21 2.10 3.41 2.43 2.11 1.82	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88	1.22 1.34 2.52 2.39 2.31 2.19 1.98	1.16 1.31 2.61 2.55 2.34 2.25 1.89	1.21 1.31 2.15 2.72 2.31 2.22 1.96	1.39 2.19 2.75 2.41 2.12	1.21 2.13 2.80 2.42 2/2.25 2/1.80 Average weighter
1976 1977 1972 1973 1974 1975 1976 1977 Year begin- ning		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53	.905 .957 2.10 2.78 2.56 2.35 1.53	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63	1.10 1.21 2.10 3.41 2.43 2.11 1.82	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79	1.17 1.42 2.32 3.17 2.31 2.19 1.88	1.22 1.34 2.52 2.39 2.31 2.19 1.98	1.16 1.31 2.61 2.55 2.34 2.25 1.89	1.21 1.31 2.15 2.72 2.31 2.22 1.96	1.39 2.19 2.75 2.41 2.12	1.21 2.13 2.80 2.42 2/2.25 2/1.80 Average weighter
1976 1977 1972 1973 1974 1975 1976 1977 Year begin- ning		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53	.905 .957 2.10 2.78 2.56 2.35 1.53	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63	1.10 1.21 2.10 3.41 2.43 2.11 1.82	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88	1.22 1.34 2.52 2.39 2.31 2.19 1.98	1.16 1.31 2.61 2.55 2.34 2.25 1.89	1.21 1.31 2.15 2.72 2.31 2.22 1.96	1.39 2.19 2.75 2.41 2.12	1.21 2.13 2.80 2.42 2/2.25 2/1.80 Averag
1976 1977 1972 1973 1974 1975 1976 1977 Year begin- ning May		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53	.905 .957 2.10 2.78 2.56 2.35 1.53	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63 Sept.	1.10 1.21 2.10 3.41 2.43 2.11 1.82	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79 :: Nov.	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88 : : : Dec. : : per to	1.22 1.34 2.52 2.39 2.31 2.19 1.98	1.16 1.31 2.61 2.55 2.34 2.25 1.89 :	1.21 1.31 2.15 2.72 2.31 2.22 1.96	1.39 2.19 2.75 2.41 2.12	2/1.15 1.21 2.13 2.80 2.42 2/2.25 2/1.80 Averag weighte by sale
1976 1977 1972 1973 1974 1975 1976 1977 Year begin- ning May		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53 June	.905 .957 2.10 2.78 2.56 2.35 1.53 : : : : : : : : : : : : : : : : : : :	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63 Sept.	1.10 1.21 2.10 3.41 2.43 2.11 1.82 : Oct.	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79 : : Nov.	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88 : Dec. :	1.22 1.34 2.52 2.89 2.31 2.19 1.98 :	1.16 1.31 2.61 2.55 2.34 2.25 1.89 : : Feb.:	1.21 1.31 2.15 2.72 2.31 2.22 1.96 :	1.39 2.19 2.75 2.41 2.12 : : Apr.	2/1.15 1.21 2.13 2.80 2.42 2/2.25 2/1.80 Averag weighte by sale
1976 1977 1972 1973 1974 1975 1976 1977 Year begin- ning May		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93	1.02 1.04 1.58 2.33 2.35 2.51 1.53 June	.905 .957 2.10 2.78 2.56 2.35 1.53	1.07 2.16 2.86 2.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63 Sept.	1.10 1.21 2.10 3.41 2.43 2.11 1.82 : : : : : : : : : : : : : : : : : :	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79 : : Nov. : : Dollars	1.17 1.42 2.32 3.17 2.31 2.19 1.88 : : Dec. : : per too	1.22 1.34 2.52 2.39 2.31 2.19 1.98 : : : : : : : : : : : : : : : : : :	1.16 1.31 2.61 2.55 2.34 2.25 1.89 : : Feb.:	1.21 1.31 2.15 2.72 2.31 2.22 1.96 : : : : : : : : : : : : : : : : : : :	1.39 2.19 2.75 2.41 2.12 : Apr. :	2/1.15 1.21 2.13 2.80 2.42 2/2.25 2/1.80 Averag weighte by sale 31.30 41.60
1976 1977 1972 1973 1974 1975 1976 1977 Year begin- ning May 1972 1973 1974		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93 May	1.02 1.04 1.58 2.33 2.35 2.51 1.53 June	.905 .957 2.10 2.78 2.56 2.35 1.53 July 28.50 36.30 48.20	1.07 2.16 2.86 2.69 2.33 1.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63 Sept.	1.10 1.21 2.10 3.41 2.43 2.11 1.82 : Oct. : Oct. : 1	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79 : : Nov. : : Dollars	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88 : : Dec. : : per to: (AY) 0.33.00 0.46.00 0.50.70	1.22 1.34 2.52 2.39 2.31 2.19 1.98 : : : : : : : : : : : 34.60 47.10 50.10	1.16 1.31 2.61 2.55 2.34 2.25 1.89 : Feb.:	1.21 1.31 2.15 2.72 2.31 2.22 1.96 : Mar. :	1.39 2.19 2.75 2.41 2.12 : Apr. :	2/1.15 1.21 2.13 2.80 2.42 2/2.25 2/1.80 Averag weighte by sale 31.30 41.60 50.90
1974 1975 1976 1977 Year begin- ning May 1972 1973 1974 1975		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93 May :	1.02 1.04 1.58 2.33 2.35 2.51 1.53 June 30.90 35.20 47.70 53.60	.905 .957 2.10 2.78 2.56 2.35 1.53 : : : : : : : : : : : : : : : : : : :	1.07 2.16 2.86 2.69 2.33 1.69 2.33 31.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63 Sept.	1.10 1.21 2.10 3.41 2.43 2.11 1.82 : Oct. : : : : : : : : : : : : : : : : : : :	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79 : : Nov. : : Dollars	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88 : Dec. : De	1.22 1.34 2.52 2.39 2.31 2.19 1.98 : : : : : : : : : : : : : : : : : :	1.16 1.31 2.61 2.55 2.34 2.25 1.89 : Feb.: : Feb. 35.40 47.10 49.30 54.30	1.21 1.31 2.15 2.72 2.31 2.22 1.96 : Mar. : :	1.39 2.19 2.75 2.41 2.12 : Apr. : :	2/1.15 1.21 2.13 2.80 2.42 2/2.25 2/1.80 Average weighted by sale 31.30 41.60 50.90 52.20
1976 1977 1972 1973 1974 1975 1976 1977 Year begin- ning May		1.64 1.29 1.09 1.55 2.25 2.30 2.60 1.93 May :	1.02 1.04 1.58 2.33 2.35 2.51 1.53 June	.905 .957 2.10 2.78 2.56 2.35 1.53 July 28.50 36.30 48.20	1.07 2.16 2.86 2.69 2.33 1.69 2.33 1.69	1.02 1.17 2.23 3.11 2.68 2.22 1.63 Sept.	1.10 1.21 2.10 3.41 2.43 2.11 1.82 : : Oct. : : :	1.12 BAR 1.32 2.19 3.30 2.35 2.08 1.79 : : Nov. : : Dollars	1.17 LEY 1.42 2.32 3.17 2.31 2.19 1.88 : Dec. : : Dec. : : Dec. : : : Dec. : : : : Dec. : : : : : Dec. : : : : : : : Dec. : : : : : : : : : : : : : : : : : : :	1.22 1.34 2.52 2.39 2.31 2.19 1.98 : : : : : : : : : : : : : : : : : :	1.16 1.31 2.61 2.55 2.34 2.25 1.89 : : Feb. : : 35.40 47.10 49.30 54.30 62.70	1.21 1.31 2.15 2.72 2.31 2.22 1.96 : : : : : : : : : : : : :	1.39 2.19 2.75 2.41 2.12 : : Apr. : : :	2/1.15 1.21 2.13 2.80 2.42 2/2.25 2/1.80 Average weighted by sale 31.30 41.60 50.90

 $[\]pm$ Includes an allowance for unredeemed loans and purchase agreement deliveries valued at the average loan rate, by States; excludes government payments.

^{2/} Preliminary.

^{3/} Forecast; Interagency Commodity Estimates Committee

²⁸ Fds-269, MAY 1978

Table 16,--Cash prices at principal markets, 1977-78

Year	: :		: :		:	: :	:	:		: :		: :	
begin-	. Oct.		Dec.	Jan.	Feb.	Mar.			June	July :	Aug.	Sont :	Simple
ning	: Oct. :	MOV.	: Dec. :	Jail.			Apr. :	May	Julie	July :	Aug.	Sept.:	average
October	: :		: :		:	: :	- :			: :		: :	
	:						- <u>Doll</u>	ars					
	:				CORN,	No. 2 Ye	11ow, C	Chicago	(per b	ushel)			
972	: 1.32	1.33	1.57	1.58	1.59	1.59	1.65	2.01	2.42	2.52	2.91	2.47	1.91
973	: 2.37	2.50	2.68	2.90	3.13	2.99	2.69	2.70	2.93	3.35	3.63	3.55	2.95
974	: 3.74	3.48	3.47	3.19	2.96	2.90	2.96	2.82	2.89	2.95	3.12	2.99	3.12
975	: 2.74	2.59	2.59	2.62	2.70	2.68	2.68	2.84	2.96	2.96	2.87	2.77	2.75
976	: 2.49	2.33	2.44	2.53	2.54	2.52	2.50	2.41	2.27	2.05	1.78	1.80	2.30
977	: 1.84	2.14	2.19	2.19	2.21	2.36	2.51						
	:				CORN,	No. 2 Ye	ellow, (maha (j	per bus	hel)			
972	: 1.28	1.34	1.49	1.50	1.55	1.49	1.51	1.84	2.25	2.32	2.71	2.37	1.80
973	: 2.34	2.40	2.49	2.71	2.95	2.76	2.49	2.51	2.68	3.19	3.55	3.46	2.79
974	: 3.63	3.46	3.36	3.07	2.79	2.75	2.85	2.81	2.84	2.92	3.12	2.95	3.05
975	: 2.75	2.55	2.56	2.57	2.60	2.62	2.59	2.74	2.86	2.83	2.69	2.59	2.66
976	: 2.36	2.17	2.30	2.38	2.38	2.35	2.29	2.21	2.10	1.90	1.66	1.67	2.15
977	: 1.79	2.02	2.04	2.02	2.03	2.14	2.25						
	:			SO	RGHUM,	No. 2 Ye	ellow, l	Kansas	City (p	er cwt.)		
972	: 2.17	2.42	2.88	3.06	2.88	2.86	2.83	3.09	3.61	3.93	4.72	4.37	3.24
973	: 4.37	4.31	4.37	4.71	4.99	4.64	4.03	3.84	3.99	5.02	5.79	5.64	4.64
974	: 6.32	6.10	5.36	4.95	4.55	4.48	4.64	4.60	4.53	4.82	5.13	4.66	5.01
975	: 4.53	4.36	4.33	4.36	4.47	4.62	4.47	4.49	4.66	4.73	4.29	4.27	4.46
976	: 3.88	3.60	3.77	3.91	3.85	3.75	3.62	3.53	3.28	3.15	2.73	2.78	3.49
977	: 3.05	3.40	3.36	3.37	3.49	3.78	3.92						
Year	:	:	:	:	:	:	:	:	:	:		:	:
begin-					: 0.4							: Mari	: Simple
ning	June	July	Aug.	Sept.	: Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.		: averag
June	:	:	:	:	:	:	:	:	:	;	:	:	:
	:					<u>Dol</u>	lars pe	r bushe	1	-			
	:			(DATS, No	. 2 Ext	ra Heav	y Thite	, Minne	eapolis			
0.00	:												9.0
972	: .70	.69		.71	.76	.81	.91	.88	.84	. 84	.86	.91	.80
973	: .93	.93		1.32	1.26	1.25	1.32	1.55	1.66	1.52	1.26	1.35	1.30
974	: 1.43										10/2	1.78	
	-	1.63			1.87	1.80	1.74	1.64	1.64			1 72	
975	: 1.59	1.59	1.70	1.68	1/1.64	1.69	1.65	1.67	1.66	1.64	1.67	1.72	
975 976	: 1.59	1.59	1.70	1.68 1.67	$\frac{1/1.64}{1.66}$	1.69	1.65	1.67 1.78	1.66	1.64	1.67 1.81	1.72 1.68	
975 976	: 1.59	1.59	1.70	1.68 1.67 1.11	1/1.64 1.66 1.17	1.69	1.65 1.67 1.32	1.67 1.78 1.32	1.66 1.80 1.32	1.64	1.67		
.975 .976 .977	: 1.59 : 1.93 : 1.38	1.59 1.84 1.15	1.70 1.67 1.02	1.68 1.67 1.11	1/1.64 1.66 1.17 BARLEY,	1.69 1.62 1.34 No. 3 o	1.65 1.67 1.32 r Bette	1.67 1.78 1.32 r, Feed	1.66 1.80 1.32	1.64 1.76 1.33 Papolis	1.67 1.81 1.40	1.68	1.74
.975 .976 .977	: 1.59 : 1.93 : 1.38 : :	1.59 1.84 1.15	1.70 1.67 1.02	1.68 1.67 1.11	1/1.64 1.66 1.17 BARLEY,	1.69 1.62 1.34 No. 3 o	1.65 1.67 1.32 r Bette	1.67 1.78 1.32 r, Feed	1.66 1.80 1.32 1, Minno	1.64 1.76 1.33 eapolis	1.67 1.81 1.40	1.68	1.74
975 976 977 972 973	: 1.59 : 1.93 : 1.38 : : 1.05 : 1.51	1.59 1.84 1.15	1.70 1.67 1.02	1.68 1.67 1.11 1.11 2.12	1/1.64 1.66 1.17 BARLEY, 1.16 2.02	1.69 1.62 1.34 No. 3 o	1.65 1.67 1.32 r Bette 1.27 2.12	1.67 1.78 1.32 r, Feed 1.34 2.34	1.66 1.80 1.32 1, Minno 1.20 2.51	1.64 1.76 1.33 eapolis 1.19 2.32	1.67 1.81 1.40	1.68 1.36 2.10	1.74
975 976 977 972 973 974	: 1.59 : 1.93 : 1.38 : : 1.05 : 1.51 : 2.36	1.59 1.84 1.15 .96 1.67 2.36	1.70 1.67 1.02 .98 2.12 2.69	1.68 1.67 1.11 1.11 2.12 2.48	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17	1.65 1.67 1.32 r Bette 1.27 2.12 2.89	1.67 1.78 1.32 r, Feed 1.34 2.34 2.82	1.66 1.80 1.32 1, Minno 1.20 2.51 2.59	1.64 1.76 1.33 Papolis 1.19 2.32 2.26	1.67 1.81 1.40 1.25 1.74 2.24	1.36 2.10 2.05	1.74 1.17 2.03 2.58
975 976 977 972 973 974 975	: 1.59 : 1.93 : 1.38 : : 1.05 : 1.51 : 2.36 : 1.67	1.59 1.84 1.15 .96 1.67 2.36 2.04	1.70 1.67 1.02 .98 2.12 2.69 2.77	1.68 1.67 1.11 1.11 2.12 2.48 3.00	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07 2.83	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17 2.42	1.65 1.67 1.32 r Bette 1.27 2.12 2.89 2.23	1.67 1.78 1.32 r, Feed 1.34 2.34 2.82 2.11	1.66 1.80 1.32 1, Minno 1.20 2.51 2.59 2.26	1.64 1.76 1.33 eapolis 1.19 2.32 2.26 2.36	1.67 1.81 1.40	1.68 1.36 2.10	1.74 1.17 2.03 2.58 2.38
975 976 977 972 973 974 975 976	1.59 1.93 1.38 : : 1.05 : 1.51 : 2.36 : 1.67 : 2.52	1.59 1.84 1.15 .96 1.67 2.36 2.04 2.45	1.70 1.67 1.02 .98 2.12 2.69 2.77 2.48	1.68 1.67 1.11 2.12 2.48 3.00 2.68	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07 2.83 2.46	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17 2.42 2.21	1.65 1.67 1.32 r Bette 1.27 2.12 2.89 2.23 2.05	1.67 1.78 1.32 r, Feed 1.34 2.34 2.82 2.11 2.20	1.66 1.80 1.32 1, Minno 2.51 2.59 2.26 2.35	1.64 1.76 1.33 eapolis 1.19 2.32 2.26 2.36 2.29	1.67 1.81 1.40 1.25 1.74 2.24 2.39 2.28	1.36 2.10 2.05 2.50	1.74 1.17 2.03 2.58 2.38
975 976 977 972 973 974 975 976	: 1.59 : 1.93 : 1.38 : : 1.05 : 1.51 : 2.36 : 1.67	1.59 1.84 1.15 .96 1.67 2.36 2.04	1.70 1.67 1.02 .98 2.12 2.69 2.77 2.48	1.68 1.67 1.11 2.12 2.48 3.00 2.68 1.58	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07 2.83 2.46 1.66	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17 2.42	1.65 1.67 1.32 r Bette 1.27 2.12 2.89 2.23 2.05 1.65	1.67 1.78 1.32 r, Feed 1.34 2.34 2.82 2.11 2.20 1.65	1.66 1.80 1.32 1, Minno 2.51 2.59 2.26 2.35 1.65	1.64 1.76 1.33 eapolis 1.19 2.32 2.26 2.36 2.29 1.66	1.67 1.81 1.40 1.25 1.74 2.24 2.39 2.28 1.90	1.36 2.10 2.05 2.50 2.13	1.74 1.17 2.03 2.58 2.38
975 976 977 972 973 974 975 976 977 <u>2</u> /	1.59 1.93 1.38 1.05 1.51 2.36 1.67 2.52 1.76	1.59 1.84 1.15 .96 1.67 2.36 2.04 2.45 1.63	1.70 1.67 1.02 .98 2.12 2.69 2.77 2.48 1.50 BARLE	1.68 1.67 1.11 2.12 2.48 3.00 2.68 1.58	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07 2.83 2.46 1.66 3 or B	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17 2.42 2.21 1.65 etter Ma	1.65 1.67 1.32 r Bette 1.27 2.12 2.89 2.23 2.05 1.65 lting 7	1.67 1.78 1.32 r, Feed 1.34 2.34 2.82 2.11 2.20 1.65	1.66 1.80 1.32 1, Minno 1.20 2.51 2.59 2.26 2.35 1.65	1.64 1.76 1.33 eapolis 1.19 2.32 2.26 2.36 2.29 1.66 Plump, M	1.67 1.81 1.40 1.25 1.74 2.24 2.39 2.28 1.90 inneape	1.68 1.36 2.10 2.05 2.50 2.13	1.74 1.17 2.03 2.58 2.34 2.34
975 976 977 972 973 1974 1975 1976 1977 <u>2</u> /	: 1.59 : 1.93 : 1.38 : : 1.05 : 1.51 : 2.36 : 1.67 : 2.52 : 1.76 : :	1.59 1.84 1.15 .96 1.67 2.36 2.04 2.45 1.63	1.70 1.67 1.02 .98 2.12 2.69 2.77 2.48 1.50 BARLE	1.68 1.67 1.11 2.12 2.48 3.00 2.68 1.58 Y, No.	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07 2.83 2.46 1.66 3 or B	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17 2.42 2.21 1.65 etter Ma	1.65 1.67 1.32 r Bette 1.27 2.12 2.89 2.23 2.05 1.65 1ting 7	1.67 1.78 1.32 r, Feed 1.34 2.34 2.82 2.11 1.2.20 1.65	1.66 1.80 1.32 1, Minno 1.20 2.51 2.59 2.26 2.35 1.65 Better	1.64 1.76 1.33 eapolis 1.19 2.32 2.26 2.36 2.29 1.66 Plump, M	1.67 1.81 1.40 1.25 1.74 2.24 2.39 2.28 1.90 (inneapo	1.68 1.36 2.10 2.05 2.50 2.13 Discourse 1.66	1.74 1.17 2.03 2.58 2.38 2.34
1975 1976 1977 1972 1973 1974 1975 1976 1977 <u>2</u> /	: 1.59 : 1.93 : 1.38 : : 1.05 : 1.51 : 2.36 : 1.67 : 2.52 : 1.76 :	1.59 1.84 1.15 .96 1.67 2.04 2.45 1.63	1.70 1.67 1.02 .98 2.12 2.69 2.77 2.48 1.50 BARLE	1.68 1.67 1.11 2.12 2.48 3.00 2.68 1.58 Y, No.	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07 2.83 2.46 1.66 3 or B	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17 2.42 2.21 1.65 etter Ma	1.65 1.67 1.32 r Bette 1.27 2.12 2.89 2.23 2.05 1.65 1ting 7	1.67 1.78 1.32 r, Feed 1.34 2.82 2.11 2.20 1.65 0% or I	1.66 1.80 1.32 1, Minno 1.20 2.51 2.59 2.26 2.35 1.65 Setter	1.64 1.76 1.33 eapolis 1.19 2.32 2.26 2.36 2.29 1.66 Plump, M	1.67 1.81 1.40 1.25 1.74 2.24 2.39 2.28 1.90 (inneapo	1.68 1.36 2.10 2.05 2.50 2.13 01is	1.74 1.17 2.02 2.58 2.38 2.34
1975 1976 1977 1972 1973 1974 1975 1976 1977 <u>2</u> /	: 1.59 : 1.93 : 1.38 : : : 1.05 : 1.51 : 2.36 : 1.67 : 2.52 : 1.76 : : 1.22 : 1.74 : 3.11	1.59 1.84 1.15 .96 1.67 2.04 2.45 1.63	1.70 1.67 1.02 .98 2.12 2.69 2.77 2.48 1.50 BARLE	1.68 1.67 1.11 2.12 2.48 3.00 2.68 1.58 Y, No.	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07 2.83 2.46 1.66 3 or B	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17 2.42 2.21 1.65 etter Ma 1.34 2.62 4.78	1.65 1.67 1.32 r Bette 1.27 2.12 2.89 2.23 2.05 1.65 1ting 7	1.67 1.78 1.32 r, Feed 1.34 2.34 2.82 2.11 2.20 1.65 10% or I	1.66 1.80 1.32 1, Minno 1.20 2.51 2.59 2.26 2.35 1.65 3etter 1.58 3.27 4.45	1.64 1.76 1.33 eapolis 1.19 2.32 2.26 2.36 2.29 1.66 Plump, M	1.67 1.81 1.40 1.25 1.74 2.24 2.39 2.28 1.90 inneap	1.68 1.36 2.10 2.05 2.50 2.13 blis 1.66 2.94 4.28	1.74 1.17 2.02 2.58 2.38 2.34 2.6 4.1
1975 1976 1977 1972 1973 1974 1975 1976 1977 <u>2</u> /	: 1.59 : 1.93 : 1.38 : : 1.05 : 1.51 : 2.36 : 1.67 : 2.52 : 1.76 : : 1.22 : 1.76 : 3.11 : 3.97	1.59 1.84 1.15 .96 1.67 2.36 2.04 2.45 1.63	1.70 1.67 1.02 .98 2.12 2.69 2.77 2.48 1.50 BARLE 1.21 2.45 3.77 3.65	1.68 1.67 1.11 2.12 2.48 3.00 2.68 1.58 Y, No. 1.26 4.00 3.93	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07 2.83 2.66 3 or B	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17 2.42 2.21 1.65 etter Ma 1.34 2.62 4.78 3.56	1.65 1.67 1.32 r Bette 1.27 2.12 2.89 2.03 2.05 1.65 1ting 7	1.67 1.78 1.32 r, Feed 1.34 2.34 2.82 2.11 1.20 1.65 0% or F	1.66 1.80 1.32 1. Minno 1.20 2.51 2.59 2.26 2.35 1.65 3etter 1.58 3.27 4.45 3.21	1.64 1.76 1.33 eapolis 1.19 2.32 2.26 2.36 2.29 1.66 Plump, M	1.67 1.81 1.40 1.25 1.74 2.24 2.39 2.28 1.90 (inneap) 1.64 2.98 4.34 3.17	1.68 1.36 2.10 2.05 2.50 2.13 blis 1.66 2.94 4.28 3.22	1.174 1.172.07 2.58 2.33 2.34 1.44 2.66 4.11 3.55
1975 1976 1977 1972 1973 1974 1975 1976 1977 2/ 1972 1973 1974 1975 1976 1977 3/	: 1.59 : 1.93 : 1.38 : : : 1.05 : 1.51 : 2.36 : 1.67 : 2.52 : 1.76 : : 1.22 : 1.74 : 3.11	1.59 1.84 1.15 .96 1.67 2.04 2.45 1.63	1.70 1.67 1.02 98 2.12 2.69 2.77 2.48 1.50 BARLE 1.21 2.45 3.77 3.65 3.37	1.68 1.67 1.11 2.12 2.48 3.00 2.68 1.58 Y, No.	1/1.64 1.66 1.17 BARLEY, 1.16 2.02 3.07 2.83 2.46 1.66 3 or B	1.69 1.62 1.34 No. 3 o 1.14 1.80 3.17 2.42 2.21 1.65 etter Ma 1.34 2.62 4.78	1.65 1.67 1.32 r Bette 1.27 2.12 2.89 2.23 2.05 1.65 1ting 7	1.67 1.78 1.32 r, Feed 1.34 2.34 2.82 2.11 2.20 1.65 10% or I	1.66 1.80 1.32 1, Minno 1.20 2.51 2.59 2.26 2.35 1.65 3etter 1.58 3.27 4.45	1.64 1.76 1.33 eapolis 1.19 2.32 2.26 2.36 2.29 1.66 Plump, M	1.67 1.81 1.40 1.25 1.74 2.24 2.39 2.28 1.90 inneap	1.68 1.36 2.10 2.05 2.50 2.13 blis 1.66 2.94 4.28 3.22 2.83	1.74 1.17 2.02 2.58 2.38 2.34 2.6 4.1

^{1/} Beginning October 1975 heavy white. 2/ Beginning June 1977, No. 2, Feed. 3/ Beginning October 1977, 65% or better plump.

Source: Grain Market News, AMS, USDA.

Table 17. -- Corn, No. 2 Yellow, Chicago: Daily closing cash and December 1978 futures 1/

	De	December		January	**		February			Ma	March		April			May	
Date	Cash	Dec. ' 78 futures	Date	Cash	Dec. '78; futures	Date	Cash	Dec. ' 78 futures	Date	Cash	Dec. 78 futures	Date	Cash	Dec. ' 78 futures	Date	Cash	Dec. 7 futures
					** *												
1	: 2.17 :	2.27	5	: Holiday		-	2.20	2.26	1	2.22 :	2.29	3	2.51:	2,55	-	: 2.47:	2.42
2	: 2.19 :	2.28	6	2.18	2.27	2	2.21	2.27	2	2.24.:	2.30	7	2.51:	2.56	2	2.45	2.43
5	: 2.17 :	2.26	7	: 2.18 :	2,27 :	3	2.21 :	2.26	en	2.25	2.33	2	2.54:	2.55		: 2.47 :	2.44
9	: 2.19 :	2.26		: 2.16 :	2.26	9	2.22 :	2.26	9	2.25	2,35	9	2.52:	2.55	7	: 2.52 :	2.48
7	: 2.18 :	2.26	9	: 2.17 :	2.27 :	7 ::	2.21 :	2.26		2.28 :	2.39		2.56:	2.57		2.54:	2.52
00	: 2.19 :	2.25	6	: 2.18 :	2.27 :	00	2.20	2.26	80	2.30 :	2.40	: 10	2,58:	2.60	00	: 2.51:	2.48
6	: 2.20 :	2.26	10	: 2.20 :	2.29 :	6	2.20 :	2.27	6	2.30 :	2.39	: 11	2.57:	2.60	6		
12	: 2.17 :	2.21	11	: 2.19 :	2.29 :	10:	2.20 :	2.29	: 10 :	2.29 :	2.38	: 12	2.55:	2.57	10		
13	: 2.20 :	2.22	12	: 2.19 :	2.31	13 :	2.21	2.27	13 :	2.32 :	2.45	: 13	2.50:	2.51	111		
14	2.18:	2.21	13	: 2.19 :	2.32	14:	2.21	2.27	: 14 :	2.35 :	2.47	: 14	2.52:	2.55	: 12		
15	: 2.19 :	2.21	91	: 2.16 :	2.31	15 :	2.21 :	2.27	: 15 :	2.37 :	2.50	: 17	2.53:	2.55	15		
16	2.18:	2.23	17	: 2.16 :	2.28 :	16 :	2.20 :	2.27	16 :	2.39 :	2.50	: 18	2.53:	2.57	16		
19	: 2.19 :	2.23	18	: 2.16 :	2.28 :	17 :	2.21 :	2.26	17 :	2.46 :	2.55	: 19	2.51:	2.57	17		
20 :	: 2.21 :	2.26 :	19	: 2.17 :	2.29 :	20	Holiday	Α.	20 :	2.42 :	2.51	: 20	2.49:	2.57	18		
21 :	: 2.20 :	2.25	20	: 2.19 :	2.30 :	21 :	2.21 :	2.26	21:	2.39 :	2.49	21	2.50:	2.55	19		
22 :	: 2.21 :	2.26 :	23	: 2.20 :	2.31	22 :	2.21 :	2.28	. 22 :	2.41 :	2.53	: 24	2.44:	2.48	22		
23 :	2.14:	2.26	24	2.19:	2.30 :	23 :	2.21 :	2.27	23 :	2.43 :	2.56	: 25	2.51:	2.49	23		
26 :	: Holi	. Holiday	25	: 2.21 :	2.30 :	24 :	2.21 :	2.28	24	Holi	: Holiday	: 26 :	2.45:	2.44	24		
27 :	2.19:	2.28	26	2.21	2.29	27 :	2.21 :	2.28	27 :	2.48 :	2.60	: 27	2.46:	2.46	25		
		. 86 6	27	: 2 22 :	: 66 6	. 86	2 20 .	2 27	28.	: 67.6	2.59	80	2.49		36		
	2.19	2.27	30	2.21 ::	2.27				29	2. 44	2.52				200		
		1	2			• ••	• ••		1		1				1		
30 :	: 2.18 :	2.28 :	31	: 2.20 :	2.26 :				30 :	2.44 :	2.53		** *		30		
									31 .	2 7.0	09 6						

Table 18.--Livestock, poultry and milk-feed price ratios, by months, 1971-78

Year	1	Oct :	Non 1	Dog :	I .	Fat .			: 1				:	
beginning October		oct. :	NOV. :	Dec. :		red. :			: may :		July :			Averag
000000	:		-	•			G/CORN,		Basis 1/	•	•	•	•	
971		19.5	19.3	18.2	20.9	23.5	21.2	19.9	21.7	22.7	24.1	24.3	23.0	21.5
972	:	23.0	22.3	20.8	22.3	25.4	27.9	24.7	21.9	18.7	20.3	21.0	20.4	22.4
.973	:	18.8	18.6	16.0	15.5	14.2	13.1	12.7	10.7	9.4	11.8	10.7	10.2	13.5
.974		10.8	11.1	11.7	12.4	13.5	14.6	14.7	17.0	17.7	19.8	19.0	21.2	15.3
.975		22.3	21.1	20.0	19.5	19.3	18.2	19.1	18.2	18.0	16.9	16.1	15.3	18.7
976		14.1	15.4	16.3	16.2	16.8	15.8	15.6	18.1	19.8	23.9	26.3	25.1	18.6
977 2/	-	23.9	20.1	21.1	22.0	23.6	21.8	19.8						
	:						REFE-ST	FFR/CO	RN, Omah	2 3/				
971		28.3	29.0	27.6	28.5	29.5	28.6	27.6	28.1	30.8	31.0	29.5	27.1	28.8
972	:	27.3	25.1	24.7	27.1	28.1	30.6	29.8	24.9	20.8	20.5	19.5	19.0	24.8
973	:	17.9	16.7	15.8	17.4	15.7	15.5	16.7	16.1	14.2	13.7	13.1	12.0	15.4
974	:	10.9	10.9	11.1	11.8	12.5	13.1	15.0	17.6	18.2	17.2	15.0	16.6	14.2
975	:	17.4	17.7	17.6	16.0	14.9	13.8	16.6	14.8	14.2	13.4	13.8	14.3	15.4
.976		16.1	18.0	17.4	16.1	16.0	15.9	17.5	19.0	19.2	21.5	24.2	24.2	18.8
977 2/	2	23.6	20.7	21.1	21.6	22.2	22.7	23.3						
	:					MII	K/FEED.	U.S.	Basis 4/					
971	:	1.84	1.88	1.85	1.82	1.81	1.78	1.72		1.66	1.68	1.72	1.75	1.77
972	*	1.77	1.75	1.64	1.59	1.58	1.52	1.51	1.40	1.26	1.35	.1.27	1.51	1.51
973	:	1.57	1.62	1.57	1.53	1.51	1.49	1.50		1.37	1.30	1.16	1.22	1.44
.974	:	1.21	1.23	1.20	1.25	1.29	1.33	1.30		1.30	1.34	1.36	1.47	1.30
975	:	1.56	1.66	1.70	1.65	1.58	1.58	1.53		1.43	1.44	1.50	1.51	1.55
976	:	1.56	1.60	1.55	1.52	1.48	1.47	1.46		1.49	1.57	1.69	1.80	1.55
1977 2/	:	1.84	1.75	1.71	1.69	1.70	1.68	1.62	2					
	:					E	GG/FEED,	U.S.	Basis 5/					
1971	:	6.9	7.2	8.2	7.1	7.0	7.6	6.5	6.4	6.4	7.0	6.9	7.7	7.1
L972		6.9	8.0	8.7	9.0	7.3	7.7	7.9	6.9	6.4	7.1	8.3	8.6	7.7
1973	:	8.2	8.6	8.5	8.8	8.4	7.5	7.0	6.2	5.8	6.2	5.7	6.7	7.3
974	:	6.5	6.6	7.2	7.2	7.2	7.6	6.5	5.5	6.3	6.4	6.8	7.5	6.9
L975	2	7.1	8.1	9.0	8.6	8.2	7.4	7.3	7.5	6.8	6.8	7.6	7.7	7.7
1976	:	7.8	8.7	9.1	8.3	8.2	7.3	6.8	5.9	5.8	6.6	7.2	7.6	7.4
1977 2/	:	7.0	7.3	7.4	6.7	7.5	7.4	6.8						
	:					BRO	ILER/FE	ED. U.S	S. Basis	6/				
1971	:	2.7	2.7	2.5	2.8	3.1	3.1	2.7	2.8	3.0	3.3	3.0	3.2	2.9
972	:	2.9	2.7	2.6	2.9	3.1	3.5	3.9	3.3	2.9	3.4	4.0	3.5	3.2
1973	:	2.9	2.5	2.3	2.5	2.8	2.7	2.7	2.7	2.5	2.6	2.3	2.6	2.6
L974	:	2.5	2.6	2.4	2.7	2.9	2.9	2.8	3.1	3.4	3.7	3.6	3.6	3.0
1975	:	3.5	3.4	3.0	3.1	3.2	3.1	3.0		2.8	2.8	2.7	2.5	3.0
1976	:	2.4	2.3	2.2	2.5	2.7	2.7	2.7	2.6	2.7	3.0	2.9	3.1	2.6
L977 <u>2</u> /	:	3.0	2.6	2.5	2.8	3.0	3.0	3.0						
	:					TUR	KEY/FEEI	D. U.S.	. Basis	7/				
1971	:	4.7	4.8	5.1	4.9	4.8	4.7	4.6	4.5	4.5	4.4	4.4	4.3	4.6
1972	:	4.3	4.5	4.4	4.0	3.7	4.1	4.8	4.2	3.8	3.9	4.3	4.9	4.2
1973	:	5.0	5.3	4.8	4.0	3.8	3.8	3.4	3.2	3.1	2.9	2.9	3.0	3.8
1974	:		3.3	3.6	3.6	3.7	3.8	3.6	3.8	3.9	4.2	4.2	4.2	3.7
1975	:	4.3	4.5	4.4	4.0	3.9	4.0	3.9		3.5	3.3	3.4	3.4	3.9
1976	:		3.5	3.7	3.6	3.5	3.6	3.4		3.5	3.6	3.8	4.0	3.3
1977 2/	:	4.3	4.4	4.6	4.3	4.2	4.2	4.1						

^{1/} Number bushels of corn equal in value to 100 lbs. of hog liveweight. 2/ Preliminary. 3/ Based on price of beef-steers 900-1,100 pounds, choice instead of average grade all steers previously published. 4/ Pounds concentrate ration equal in value to one lb. whole milk. 5/ Number of lbs. of laying feed equal in value to one dozen eggs. 6/ Number of lbs. of broiler grower feed equal in value to one lb. broiler liveweight. 7/ Pounds of turkey grower feed equal in value to one lb. turkey liveweight.

				oo l	06136	sasuadxa	at current	r rares								
Purchased during Marketed during	Jan. 77 July 77	Feb. Aug.	Mar. Sept.	Apr.	May Nov.	June Dec.	July Jan. 78	Aug. Feb.	Sept.	Oct.	Nov.	Dec. June	Jan, 78 July	Feb. Aug.	Mar. Sept.	Apr.
								Dollars	per head							
Expenses: 600 lb, feeder steer	218,94	227.16	233.70	250.86	250,32	239,40	243.84	251.94	245.10	244.92	239.64	247.98	264.42	285,60	312.00	330,48
(400 miles)	5.28 105.30 38.05	5.28 104.85 38.39	5.28 104.85 38.45	5.28 104.40 36.75	5.28 99.45 34.63	5.28 94.50 32.71	5.28 86.40 30.97	5.28 72.90 27.30	5.28 70.20 26.16	5.28 71.10 26.20	5.28 87.30 29.60	5.28 89.55 30.74	5.28 88.20 30.97	5.28 88.65 31.47	5.28 94.95 31.40	5.28 101.70 32.25
Protein supplement (270 lb.). Hay (400 lb.) Labor (4 hours) Wanagement 4	29.02 12.95 9.84 4.92 3.16	28.76 13.25 10.24 5.12 3.19	29.84 13.30 10.24 5.12 3.22	31.86 12.15 10.24 5.12 3.25	32.40 11.30 10.72 5.36 3.27	31.05 10.60 10.72 5.36 3.25	27.81 10.45 10.72 5.36 3.24	25.92 9.65 10.32 5.16 3.22	24.84 9.20 10.32 5.16	24.57 9.10 10.32 5.16 3.21	26.19 9.35 10.80 5.40	26.86 9.85 10.80 5.40	26.32 10.20 10.80 5.40	25.11 10.50 11.68 5.84 3.37	26.60 9.60 11.98 5.84	27.54 9.30 11.68 5.84 3.46
(6 mo.)	9.85	10.22	10.52	11.29	11.26	10.77	10.97	11.34	11.03	11.02	110.78	11.16	11.90	12.85	14.04	14.87
Power, edulp, fuel, sneiter, depreciation 3. Death loss (1% of purchase) Transportation (100 miles) Marketing expenses Miscellaneous & indirect costs ³	14.75 2.19 2.31 3.35 6.38	14.88 2.27 2.31 3.35 6.44	15.02 2.34 2.31 3.35 6.49	15.17 2.51 2.31 3.35 6.56	15.23 2.50 2.31 3.35 6.59	15.17 2.39 2.31 3.35 6.56	15.12 2.44 2.31 3.35 6.54	15.04 2.52 2.31 3.35 6.50	15.02 2.45 2.31 3.35 6.49	14.99 2.45 2.31 3.35 6.48	15.06 2.40 2.31 3.35 6.51	15.10 2.48 2.31 3.35 6.53	15.56 2.64 2.31 3.35 6.73	15,72 2,86 2,31 3,35 6,80	15.94 3.12 3.35 6.89	16.13 3.30 2.31 3.35 6.98
Total	466.29	475.71	484.03	501.10	493.97	473.42	464.80	452.75	440.13	440.46	457.20	470.63	487.42	511.39	546.42	574.47
								Dollars	per cwt.							
Selling price/cwt, required to cover feed and feeder costs (1050 lb.)	38.50	39.28	40.01	41.53	40.77	38.88	38.04	36.92	35.76	35.80	37.34	38.57	40.01	42.03	45.20	47.74
Selling price/Cwt, required to cover all costs (1050 lb.) Feed cost per 100 lb. gain Choice steers, Omaha Net margin/cwt.	44.41 41.18 40.94 -3.47	45.31 41.17 40.11 -5.20	46.10 41.43 40.35 -5.75	47.72 41.15 42.29 -5.43	47.04 39.51 41.83 -5.21	45.09 37.52 43.13 -1.96	44.27 34.58 43.62 -0.65	43.12 30.17 45.02 +1.90	41.92 28.98 48.66 +6.74	41.95 29.10 52.52 +10.57	33.54	34.89	34.60	34.61	36.12	37.93
Prices Feder steer Choice (600-700 Ib.) Kansas City/cwt.) Corn/bu, Hay/ton Corn slage (10n ⁸ 32-36% Protein supp./cwt. ⁶ Farm Labor/houte	36.49 2.34 64.75 22.38 10.75 2.46 9.00	37.86 2.33 66.25 10.65 9.00	38.95 22.65 11.05 9.00	41.81 2.32 60.75 21.62 11.80 2.56 9.00	41.72 2.21 20.37 12.00 2.68 9.00	39.90 53.00 19.24 11.50 9.00	40.64 1.92 18.22 10.30 2.68 9.00	41.99 48.25 48.25 16.06 9.60 2.58	40.85 1.56 46.00 15.39 9.20 2.58 9.00	40.82 1.58 45.50 15.41 9.10 2.58	39.94 1.94 46.75 17.41 9.70 9.00	41.33 1.99 49.25 18.08 9.95 2.70 9.00	44.07 1.96 51.00 18.22 9.75 2.70	47.60 1.97 52.50 18.51 9.30 2.92 9.00	52.00 2.11 48.01 18.47 9.85 2.92 9.00	55.08 2.26 46.50 18.97 10.20 2.92 9.00
ransportation rate/cwt. 100 mile	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35
farmers (1910-14=100)	673	629	685	692	969	692	069	989	685	684	687	689	710	717	727	736

¹ Represents only what expenses would be if all selected items were paid for during the period indicated. The feed ration and expense items do not necessarily coincide with experience of individual feeders. For individual use, adjust expenses and prices

for management, production level and locality of operation. Assumes one hour at twice the labor rate. Adjusted monthly by the index of prices paid by farmers for commodities, services, interest, taxes and wage rates. Average price received by farmers in lowa

and Illinois. ⁵Corn silage price derived from an equivalent price of 5 bushels corn and 330 lb. hay. ⁶Average price paid by farmers in lowa and Illinois. ⁷Converted from cents/mile for a 44,000 pound haul. ⁸Vardage plus commission fees at a midwest terminal market.

Table 20-Corn Belt hog feeding¹

					Selected costs	costs at	current r	rates								
Purchased during Marketed during	Jan. 77 May 77	Feb. June	Mar. July	Apr. Aug.	May Sept.	June Oct.	July Nov.	Aug. Dec.	Sept. Jan. 78	Oct. Feb.	Nov. Mar.	Dec. Apr.	Jan. 78 May	Feb. June	Mar. July	Apr. Aug.
								Dollars p	per head							
Expenses: 40 lb. feeder pig	23.84	33.24	38,58	41.49	40.91	35,18	36.90	39,84	37.46	34.94	32.32	30.38	35.88	44.12	51.63	54.57
(130 lb.)	18.07	17.94	19,37	20.74	21.12	20.28	17.10	15,92	15.54	15.08	15.92	15.92	16.12	15.54	16.18	17.10
(1.3 hrs.)	6.40	1.61	6.66	1.64	1.65	6.97	6.97	6.71	6.71	6.71	7.02	7.02	7.02	7.59	7.59	1.74
(4 mo.)	.72	1.00	1.16	1.24	1.23	1.06	1.11	1.20	1.12	1.05	.97	.91	1.08	1.32	1.55	1.64
depreciation	3.88	3.91	3.95	3.99	4.00	3.99	3.97	3.95	3.95	3.94	3.96	3.97	4.09	4.13	4.19	4.24
Death loss (4% of purchase)	.95	1.33	1.54	1.66	1.64	1.41	1.48	1.59	1.50	1.40	1.29	1.22	1.44	1.76	2.07	2.18
Marketing expenses	1.14	1.14	.48	1.14	1.14	1.14	.48	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
Miscellaneous & indirect	.40	.40	.40	.41	.41	.41	.41	.40	.40	.40	.41	.41	.42	.42	.43	.43
Total	83.22	93,34	100,53	104.97	103.86	99.66	92.32	89.06	87.08	84.14	86.48	84.97	90.91	99,87	110.19	115.97
								Dollars p	per cwt.							
Selling price/cwt, required to cover feed and feeder costs (220 lb.)	30.75	34.91	37.99	39.89	39.25	35.71	34.15	33.45	31.89	30.64	31.63	31.00	33.44	36.97	41.37	43.88
cover all costs (220 lb.) Feed cost per 100 lb. gain	37.83	42.43	45.70	47.71	47.21	43,48	41.96	41.22	39.58	38.25	39.31	38.62	41.32	45.40	50.09	52.71
Barrows and gills / markets/cwt.	41.79	43.86	45.76	44.38	41.40	40.83	39.33	43.99	45.99	48.83	46.04					
Prices: 40 lb. feeder pig (50. Missour) Corn* (flbu) 38-42% protein supp.* \$/cwt. Labor and management* \$/hr. Interest rate (annual)	23.84 2.34 13.90 4.92	33.24 2.33 13.80 5.12	38.58 2.33 14.90 5.12	41.49 2.32 15.95 5.12	40.91 2.21 16.25 5.36	35.18 2.10 15.60 5.36	36,90 1,92 13,15 5,36	39.84 1.62 12.25 5.16	37,46 1.56 11.95 5.16	34.94 1.58 11.60 5.16	32.32 1.94 12.25 5.40	30.38 1.99 12.25 5.40	35.88 1.96 12.40 5.40	1.97 11.95 5.84 9.00	51.63 2.11 12.45 5.84	54.57 2.26 13.15 5.84
Transportation rate/cwt. (100 miles) Narketing expenses	1.14			1.14	1.14	1.14			1.14	1.14	1.14	1.14			1,14	1.14
farmers (1910-14=100)	673	619	685	692	695	692	069	686	685	684	687	689	710	717	727	736

¹ Although a majority of hog feeding operations in the Corn Belt are from farrow to finish, relative fattening expenses will be similar. ² Represents only what expenses would be if all selected items were paid for during the period indicated. The feed rations and expense items do not necessarily coincide with the

experience of individual feeders. For individual use, adulat expenses and prices for management, production level, and locality of operation. "Adjusted monthly by the index of prices paid by farmers for commodities, services, interest, taxes and wage rates. Average price received by farmers in lowa and

Illinois. ⁸ Average prices paid by farmers in lowa and Illinois. ⁴ Assumes an owner-operator receiving twice the farm labor rate. ⁷ Converted to cents/cwt. from cents/mile for a 44,000 pound haul. ⁸ Yardage plus commission fees at a midwest terminal market.

Table 21,--High-protein feed: Quantity available for feeding and high-protein animal units, 1970-77 $\underline{1}/$

Year beginning	:	Qua				ding (in term 1 equivalent)	s of	44%	:	High-protein	:	Per animal
October	:	Oilseed meal	:	Animal protein	:	Grain protein*	:	Total	:	animal units	:	unit
	:			1,000	short	tons				Million		Pounds
1970		15,227		3,539		1,095		19,861		107.6		369
1971	2	15,093		3,616		1,008		19,717		107.2		368
1972	:	14,131		3,059		1,134		18,324		105.5		347
1973	:	15,799		3,012		1,202		20,013		104.1		384
1974 1975	:	14,250 17,004 15,574		3,050 3,186 3,254		1,125 1,231 1,102		18,425 21,421 19,930		96.6 100.7		381 425
1976 2/	:	18,235		3,186		894		22,315		102.9 106.2		387 420

 $\underline{1}/$ Excludes urea and other nitrogenous compounds. $\underline{2}/$ Preliminary. $\underline{3}/$ Forecast.

Table 22.--Processed feeds: Estimated use for feed 1970-77 1/

:				Year begin	nning October			
Feed :	1070	:	:	:	:	:	: 1976	: 1977
	1970	: 1971	: 1972	: 1973	: 1974	: 1975	: 19/6	: 19//
				- 1,000 sho		-		
HIGH-PROTEIN :								
HIGH-PROTEIN :								
Oilseed meal :								
Soybean 4/	13,467	13,173	11,972	13,854	12,552	15,613	14,056	16, 50
Cottonseed :	1,693	1,885	2,225	2,096	1.846	1,266	1,556	1,950
Linseed :		264	212	184	94	87	129	100
Peanut :	173	1.74	180	130	151	313	203	100
Copra :	99	100	100			313		
Total :	15,690	15,596	14,689	16,264	14,643	17,279	15,944	18,650
Animal proteins :								
Tankage and meat meal :	2,039	1,389	1,739	1,854	1,931	2,001	2,200	2,300
Fish meal and solubles :	609	752	462	350	444	508	405	300
Commercial dried milk products :		330	330	315	5/150	162	160	120
Noncommercial milk products :	330	310	350	350	5/186	192	190	195
Total :	3,233	3,201	2,881	2,869	2,761	2,863	2,955	2,915
Grain protein feeds :								
Gluten feed and meal :	1.235	1,067	1,262	1,361	1,340	1,477	1,038	950
Brewers' dried grains :	361	369	361	348	346	321	296	275
Distillers' dried grains :	332	404	428	458	339	400	374	400
Total :	1,979	1,840	2,051	2,167	2,025	2,198	1,708	1,625
OTHER								
OTHER								
Wheat millfeeds :	4.499	4,364	4,327	4.332	4.482	4,667	4,516	4,600
Rice millfeeds :	436	470	442	467	576	547	602	600
Dried and molasses beet pulp :	1,509	1,570	1,566	1,375	1,325	1,860	1.800	1,500
Alfalfa meal :	1.584	1,568	1,799	1,550	1,572	1.569	1,203	1,400
Fats and oils	570	631	528	546	638	698	723	750
Molasses, inedible :	3,550	3,725	3,930	3,650	3,360	3,950	3,750	3,700
Miscellaneous byproduct feeds 6/	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Total	13,248	13,437	13,692	13,020	13,053	14,391	13,694	13,650
Grand Total	34,155	34,154	33,313	34,320	32,482	36,731	34,301	36,840

1/ Adjusted for stocks, production, foreign trade and nonfeed uses where applicable.
2/ Preliminary.
3/ Forecast.
4/ Includes use in edible soy products and shipments to U.S. territories.
5/ Beginning 1974 not comparable with earlier years.
6/ Allowance for hominy feed, oat millfeeds and screenings.

Table 23.--Feed and Industrial Molasses: Estimated supply, distribution and prices, 1967-77

					PRO	PRODUCTION					
Year			Cane			**				**	
beginning October	: Florida :	Louisiana	Texas	Hawaii	Refiners' blackstrap	: Total Cane :	Beet	Citrus	Corn,	Corn, hydrol :	Total Production
	**				Million	n Gallons	1				
1067		u u		1.7	30	107	10%	o		10	320
1961	04	27		To	00	121	FOT			7.7	676
1968	: 37	51	-	63	94	197	136	14		21	368
1969	35	40		58	47	180	156	12		21	369
1970	. 38	94	-	55	95	185	160	10		22	377
1971	: 443	43	1	56	52	194	161	00		22	385
1972	69 :	57	1	55	57	238	166	10		23	437
1973	: 62	44	9	54	47	213	164	11		23	411
1974	. 53	42	7	52	36	190	156	10		23	379
1975	. 76	07	10	54	48	228	188	9		24	977
	: 77	48	7	67	77	225	175	9		76	430
1977 500		115	. !		7.0	110	165	7		0 0	000
-100			1	35	0	613	COT	,		73	410
						DISTRIBUTION	N				; PRICES
	: Imports :	Total U.S.	Livestock		Distilled :	, , Domestic use	c use		Exports		Cane Molasses,
		Supply 2/	Feed 3/		spirits and : Other alcohol :	4		Puerto Rico	: Mainland	nd : Total	-
				1	1	Million Gallons					\$ per ton
1967	358	193	513	21	1	150 684		10	6	19	
1968	: 347	721	555	9				9	5	11	
1969	378	750	577	11		155 743		3	7	1	25
1970	: 402	781	617	7				3	2	5	25
1971	: 433	818	249	9				1	5		
1972	: 420	858	678	9	16			ĸ	14	14	
1973	: 413	825	639	13				1	13		
1974	: 361	740	554	18				L	9	9	52
1975	: 413	859	769	4	11			1	6	6	67
1976 1/	383	813	628	7	1.5			1	20	20	45
1977 est.	**	810	625	5	1.5			1	25	25	6/39
Section and the other sections against		Andreas de la companya de la company	The state of the s			The state of the s			Cherry Control and Street Control and Cont	-	Annual Control of the

1/ Preliminary. 2/ May include small volume of inshipments from Puerto Rico. 3/ Residual, includes other minor uses and waste. 4/ Allowance for pharmaceutical products, yeast, citric acid, vinegar, pesticides, etc. Also includes small quantities of edible syrups. 5/ Not adjusted for stock changes for which data are not available. 6/ October-April average.

Item	Unit	OctSept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	: May	: June
	** **										
WHOLESALE, MOSTLY BULK 1/ Sovbean meal, 44%, solvent, Decatur	: Dol./ton	200	135	162	160	162	153	179	173		
Soybean meal, 49-50%, solvent, Decatur 2/		: 219	151	178	175	175	166	193	189		
Cottonseed meal, 41%, expeller, Memphis		: 176	121	153	141	148	149	149	131		
Linseed meal, 34%, solvent, Minneapolis		: 157	142	150	156	133	116	136	145		
Peanut meal, 50%, S.E. mills		: 207		1	1	180	-	182	173		
Meat meal, 50%, Chicago		: 221	178	206	185	185	183	234	204		
Fishmeal, 65%, domestic, East Coast	=	: 397	342	353	364	365	362	378	395		
Gluten feed, 21%, Chicago		: 107	78	06	103	102	92	89	91		
Gluten meal, 60%, Chicago	:	: 267	183	215	244	250	250	249	246		
		: 113	89	86	108	101	06	93	88		
		: 132	112	117	123	125	124	124	123		
	11	: 254	207	218	236	260	255	261	273		
Wheat bran, Kansas City	=	: 82	58	82	77	65	76	82	58		
Wheat middlings, Kansas City		82	58	82	77	65	76	82	58		
Rice bran. Arkansas		: 65	43	63	69	99	89	9	48		
Hominy feed, Illinois Points	44	74	. 62	67	75	68	70	72	73		
Alfalfa meal, 17%, dehv. Kansas City		. 65	89	7.1	7.7	73	73	00	8		
Cane molasses New Orleans	=	57	36	36	300	07	40	07	63		
Molaces heat miln Toe Angeles	=	000	00	000	000	0.0	07	102	110		
Animal fat Chicago	Ore /1h	1 71 .	12.7	13 3	13.5	13.0	000	15.8	0		
Ilrea 42% N Fort Worth	Dol /ton	163	164	144	144	1777	177	144	144		
Corn. No. 2. white. Kansas City	Dol./1h.	291	255	305	345	363	371	365	3.31		
PRICES PAID, U.S. BASIS 3/											
Soybean meal, 44%	Cts./cwt.	: 13.11	10.70	11.00	11.30	11.30	10.90	11.30	11.90		
Cottonseed meal, 41%		: 11.75	10.00	10.00	10.40	10.40	10.50	10.50	10.60		
Wheat bran		69.4	6.88	6.93	7.20	7.33	7.39	7.40	7.45		
Wheat middlings		: 7.55	6.72	6.82	7.08	7.31	7.31	7.31	1.44		
Broiler grower feed	Dol./ton	: 174	153	159	160	162	164	167	169		
Laying feed		: 156	135	141	145	147	146	149	154		
Turkey grower feed		: 185	168	175	177	177	177	179	183		
Chick starter	= :	: 179	158	164	166	169	166	170	175		
Dairy feed, 16%		: 144	125	129	135	136	134	135	137		
Beef cattle concentrate, 32-36%	Dol./cwt.	. 9.35	8.20	8.52	8.76	8.81	8.55	8.71	8.89		
Hog concentrate, 38-42%, Protein		: 13.72	11.60	12.10	12.20	12.40	11.90	12.40	13.00		
Alfalfa hay, baled	Dol./ton	92 :	29	89	68	89	69	69	68		
Stock salt	Dol./cwt.	*3.44	3.60	3.65	3.69	3.70	3.74	3.81	3.86		
CORN PRODUCTS, WHOLESALE 4/											
Corn meal, New York											
White	Dol./cwt.	: 11.10	11.01	12.00	12.00	12.00	12.00	12.62	12.94		
Yellow		8.78	8.09	8.52	8.55	8.42	8.58	8.91	9.23		
Grits (brewers), New York		: 7.65	66.9	7.18	7.27	7.16	7.32	7.39	7.94		
Syrup, Chicago West	Cts./1b.	: 7.17	6.12	6.12	6.15	6.15	6.15	6.15	6.58		
Sugar (dextrose), Chicago West		: 13.41	13,38	13.50	14.06	14.15	14.15	14.15	14.65		
digh-fructose (dry weight tank car),				1					1		
The coop of the co											

OTHER PERTINENT STATISTICS

Selected livestock and poultry numbers

		1976	1977	Change
		Million	head	Percent
Hogs and Pigs, U.S	June 1	53.9	54.5	+1
Cattle U.S	July 1			
On feed	1	10.1		-3
Dairy cows		11.1	11.0	-1
Other cattle		112.6	109.4	-3
Total		133.7	130.2	-3
Hens and pullets ¹	July 1	268	265	-1
Broilers slaughtered ²	July- Sept.	865	884	+2
Hogs and pigs				
(14 States)	Sept. 1	48.9	50.0	+2
Cattle on feed	0-4 7	0.2	0.0	
(23 States)		9.3	9.8	+5
Hens and pullets ¹	Oct. 1	274	280	+2
Broilers slaughtered ²	Oct	700	700	
slaughtered	Dec.	780	798	+2
Hogs and pigs U.S	Dec. 1	54.9	57.6	+5
		1977	1978	Change
		Millio	n head	Percen
Cattle U.S.	Jan. 1			
On feed		12.6	13.5	+7
Dairy cows		11.0	10.9	-1
Other cattle		99.2	91.9	-7
Total		122.8	116.3	-5
Hens and pullets		200	000	
(laying age)	Jan. 1	280	288	+3
Broilers slaughtered ²	Jan Mar.	782	841	+8
Hogs and Pigs				
(14 States)	Mar. 1	44.1	44.7	+1
Cattle on feed				
(23 States)	Apr. 1	10.6	11.7	+10
		273	277	+1
Hens and pullets ¹	Apr. 1	2/3		
Hens and pullets ¹ Broilers placed for marketing in	Apr	903	942	

¹ Laying age, ² Under Federal inspection.

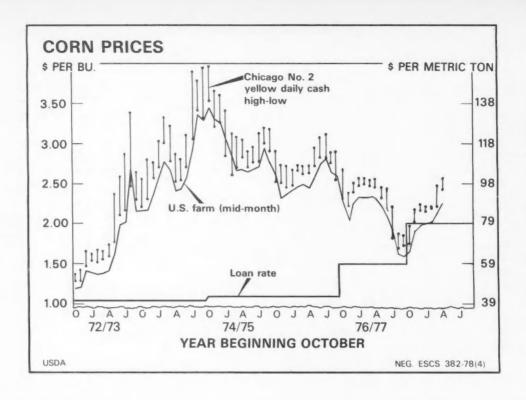
Meat, milk and egg production

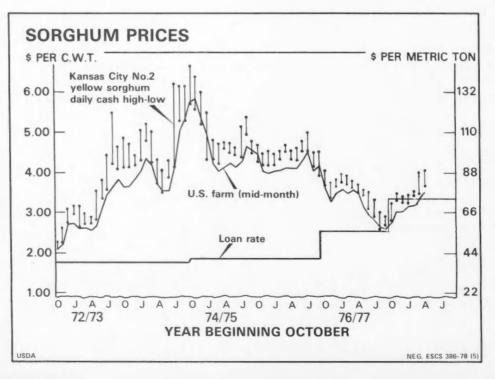
Period	Fed beef ¹	Pork	Broilers and turkeys	Milk	Eggs
		Mil. lb.		Bil. lb.	Mil. lb.
1975/76					
OctDec	3,334	2,896	2,627	27.4	2,131
JanMar	4,258	2,958	2,324	29.2	2,122
AprMay	2,688	1,929	1,674	21.6	1,410
June-Sept	5,500	3,932	4,090	41.0	2,784
Total	15,780	11,715	10,715	119.2	8,447
1976/77					
OctDec	3,842	3,669	2,850	28.6	2,123
JanMar	4,340	3,293	2,365	29.8	2,078
AprMay	2,796	2,164	1,744	22.1	1,415
June-Sept	5,537	4,096	4,116	42.0	2,767
Total	16,515	13,222	11,075	122.5	8,383
1977/78					
OctDec	4,134	3,500	2,894	29.0	2,220
JanMar	4,582	3,243	2,555	29.9	2,156

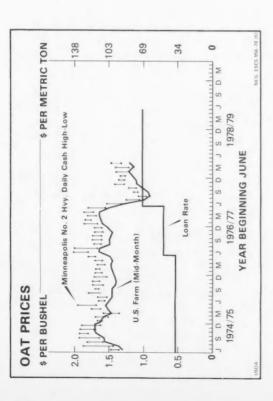
¹ Estimated from Commercial Slaughter.

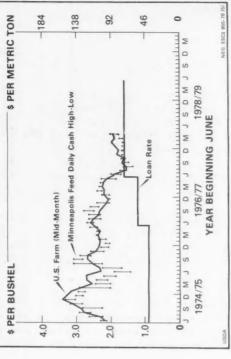
Feed grains and soybean plantings

C	Prosp	ective	1	Jan. 1
Crop of—	Jan. 1	April 1	June 1 forecast	(following year)
		Millio	n acres	
Corn				
1974	78.8	78.8	77.7	77.7
1975	77.4	75.3	77.5	77.9
1976	80.8	82.7	84.1	84.1
1977	84.5	83.9	82.7	82.7
1978	80.9	80.2		
Sorghum				
1974	19.6	19.0	17.8	17.7
1975	19.4	18.9	18.2	18.3
1976	18.6	17.9	18.4	18.6
1977	17.1	16.5	17.4	17.0
1978	17.5	15.9		
Oats				
1974	19.0	18.9	18.3	18.0
1975	17.5	18.2	17.4	17.4
1976	17.1	16.8	17.6	17.5
1977	17.8	18.2	18.5	17.8
1978	17.6	16.4	10.0	27.0
Darloy				
Barley 1974	0.6	0.5	0.0	0.1
	9.6	9.5	9.2	9.1
1975	9.8	10.2	9.6	9.5
1976	9,5	9.2	9.2	9.3
1977	10.7	11.0	10.4	10.6
1978	10.6	10.0		
Total Feed grains				100
1974	127.0	126.2	123.0	122.6
1975	124.1	122.6	122.7	123.1
1976	126.0	126.6	129.3	129.5
1977	130.2	129.6	129.0	128.1
1978	126.6	122.6		
Soybeans				
1974	55.4	55.0	53.4	53.6
1975	57.1	56.6	54.6	54.6
1976	50.9	49.3	49.0	50.3
1977	53.1	55.7	59.0	59.1
1978	64.0	63.7		

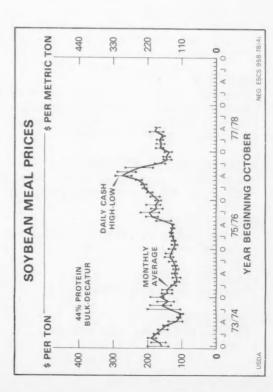


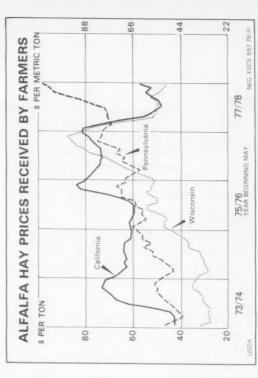






BARLEY PRICES





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Table 25. -- Feed grains: Price support activity, cumulative, 1977 crop

Item		Unit	. Ju	July	Aug.	Sept.	: 0ct.	. Nov.	: Dec.	Jan.	Feb.	. Mar.	Apr.	: May	June
	**		**												
CORN - Loan \$2.00	**														
Placed under loan	**	Mil. bu.		L	3	31	190	518	710	903	196	1,007	-		
Redeemed by farmers	••	=		1	1/	1/	1/	5	14	33	20	92			
Placed in reserve 2/				-	1	-	1			1		-			
Net under loan	**	11		1	3	31	190	513	969	870	917	915			
Farm price		Dol./bu.	. 1	1.88	1.63	1.60	1.67	1.88	1.96	2,00	2.03	2.15	2.26		
	**														
SORGHUM - Loan \$1.90	••														
Placed under loan	**	Mil. bu.	**	3	22	47	82	132	157	188	198	203	204		
Redeemed by farmers	••		**	1/	$\frac{1}{1}$	1/	$\frac{1}{2}$	2	2	11	15	28	59		
Placed in reserve 2/	••			-	-			1	1	1			1		
Net under loan	**	**		3	22	747	82	130	152	177	1,83	175	144		
Farm price		Dol./bu.	: 1.	1.60	1.47	1.41	1.57	1.70	1.71	1.76	1.79	1.89	1.97		
			**												
OATS - Loan \$1.03	••		**												
Placed under loan	**	Mil. bu.	**	00	35	78	55	59	62	65	29	73	92		
				1/	1/	1/	1	1	2	7	5	00	11		
Placed in reserve 2/	**	11		1	-	-	-	1	1	1		10	18		
Net under loan	••	11		00	35	48	54	58	09	61	62	55	47		
Farm price		Dol./bu.	: 1.	1.02	.91	76.	1.02	1.10	1.12	1,17	1.22	1.16	1.21		
BARLEY - Loan \$1.63	••														
Placed under loan	••	Mil. bu.	**	9	28	45	54	61	65	71	73	78	82		
Redeemed by farmers	••			1/	1/	1/	1	2	47	7	6	13	18		
Placed in reserve 2/	••			1			-		1	-	111	7	15		
Net under loan	••	=	**	9	28	45	53	59	61	79	79	58	64		
Farm price		Dol./bu.	: 1.	1.53	1.53	1.69	1.63	1.82	1.79	1.88	1.98	1.89	1.96		
CMTANO GREET TABOR															
OIAL FEED GRAINS					1								0		
Placed under loan	**	Mil. MI		.3	1.8	3.7	8.0	18.7	24.3	30.2	32°T	33.5	33.9		
Redeemed by farmers	**			3/	3/	3/	.1	.2	9.	1.3	1.9	3.4	6.1		
Placed in reserve 2/				1	1	1	1	1	1	1		.3	9.		
Net under loan		44		.3	1.8	3.7	80.80	18.5	23.7	28.9	30.2	29.8	27.2		
	**		**												

Less than 500,000 bushels. Farmers could begin to place oats and barley in the Grain Roserve Program on March 1; corn and sorghum on May 1. Less than 50,000 metric tons. As of May 3, 1978.

Item :	Agriculture and Consumer Protection Act of 1973 (applicable to 1974-77 crops)	Food and Agriculture Act of 1977 (applicable to 1978–81 crops)
:	1977 crop	1978 crop
sational allotment or national	Allotment	Program acreage (preliminary)
program acreage Feed grains Mil. acres Wheat "	89.0 62.2	Corn 67.6, sorghum 13.7 and barley 7.4 Wheat 53.2
Program yields Corn Bu. per acre Sorghum " Barley "	90.0 53.5 44.5	To be announced
Wheat "	32.0	
	None required for 1974-77 crops. When required in earlier years, program participants set aside a specified percentage of farm's crop allotment or base acreage.	their 1978 corn, sorghum, and barley plantings, and 20% of their wheat plantings. Plantings plus set-aside cannot exceed the farm's "normal crop acreage", described below.
Diverted acreage	None	Feed grain producers who participate in the set-aside program may divert additional acreage equal to 10% of their 1978
	Based on 1959 and 1960 planted acreage for feed grains.	All farms have a "normal crop acreage", computed by ASCS, based on 1977 plantings of designated crops.
Income support: Target priceBasis for providing deficiency payments to program participants. Corn Dol. per. bu. Sorghum " Barley " Oats " Wheat "	1/ 2.00 1/ 2.28 1/ 2.15 None 1/ 2.90	2.10 2.28 2.25 Preliminary 2.25 None *3.40
price received by farmers in first 5 :	crop allotment times the farm's program yield times the payment rate.	Participants who voluntarily reduce their 1978 plantings from 1977 plantings by 5% for corn and sorghum and by 20% for barley i and wheat will be eligible for target price protection on their entire acreage planted for harvest. A program allocation facto (between 80% and 100%) will be applied to the acreage of participants who do not reduce their plantings by these recommended percevtages. Payments will be determined by imultiplying the eligible acreage by the farm's program yield times the payment rate.
National average loan rateProgram : participant puts up any part of crop : as collateral for loan from Commodity:	participants. Farmer bears cost of storage during first year of loan.	: : Applicable on all grain produced by program participants. : Farmer bears cost of storage during first year of loan.
Credit Corporation. Corn Dol. per bu.	2.00	2.00
Sorghum "Barley "	1.90	2.00
Oats #	1.03 2.25	1.63 1.03
Rye "	1.70	2.25-Preliminary 1.70
Loan operation Application period	: : : : Until May 31, 1978, for corn and sorghum;	: : : To be announced
Maturity date	: March 31 for other crops. : 9 months from loan approval date. 2/	To be announced
Interest rate	: 6 percent per year.	To be announced
	: oats, and wheat, and May I, 1978 for 1977-crop corn and sorghum, crops under loan could be placed directly into the reserve. There is no interest charge after the first year. Farmers receive prepaid annual storage payments. First year storage rates are 25 cents per bushel for wheat, corn, sorghum, and barley and 19 cents per bushel for oats. Loans may be redeemed when farm prices reach 125 percent of the current loan rates for feed grains and 140 percent for wheat. Loans will be called when prices reach 140 percent of loan rates for feed prices reach 140 percent of loan rates for feed prices reach 140 percent of loan rates for feed	
	: grains and 175 percent for wheat. :	1 1
Sales price of CCC owned grain	: When grain reserve program is in effect, CCC : may not sell grain for less than 150 percent of : loanexcept under the Emergency Livestock Feed	

Table 26.--Principal Features of Voluntary Feed Grain and Wheat Price and Income Support Programs, 1977 and 1978 Crops (Continued)

Item	:	Agriculture and Consumer Protection Act of 1973 (applicable to 1974-77 crops)	:	Food and Agriculture Act of 1977 (applicable to 1978-81 crops)
	:	1977 crop	:	1978 стор
Wheat grazing and hay program		None		Wheat producers who participate in the 20 percent set-aside may graze out their wheat or harvest hay on up to 40 percent or 50 acres (whichever is larger) of their total intended acreage of barley, corn, sorghum, upland cotton, and wheat for harvest in 1978, and receive a payment determined by multiplying their program yield by 50 cents a bushel or the wheat deficiency payment rate, whichever is higher.
Payment limits	:	\$20,000 per person.		\$40,000 per person; increases to \$50,000 by 1980.
Disaster payments for prevented plantings or low yields	:	Yes	** ** **	Yes

I/ For any part of allotment not planted to wheat, the deficiency payment rate will be based on the "old" target price of \$2.47 per bushel. No deficiency payments will be made on 1977-crop corn since the loan rate and target price are set at the same level. Deficiency payments for sorghum and barley will only be made on acreage planted to sorghum and barley within their respective allotment. 2/ Producers holding loans approved before November 7, 1977, have the option of continuing those loans for II months or reducing the loan period to 9 months.

*Pending Bill awaiting signature of the President; previous target price was \$3.00-3.05.

CHRONOLOGY OF GRAIN PROGRAM ANNOUNCEMENTS

1976		August 35	- Lengthened the repayment	March 29	· Lifted the 30-35 million-ton
February 24	Announced 1976 loan rates: corn, \$1.25; sorghum, \$1.19;	August 25	farm schedule for storage facil- ity loan from 5 to 8 years.	march 23	limit on farmer-owned grain
	barley, \$1.02; oats, \$0.60; wheat, \$1.50; rye, \$1.00. Target levels established on	August 29	 World Food Security and 1978 set-aside plans announced and raised 1977 feed grain loan lev- 		Participants in the wheat pro- gram can receive minimum payment of \$.50 per bushel for
	1976 crops: corn, \$1,57; sor- ghum \$1.49; barley, \$1.28; wheat, \$2.29.		els: Food and feed grain reserve of 30 to 35 million metric		grazing out wheat on up to 40 percent of total acreage, or 50 mores, whichever is greater, of
	 Minimum CCC sales prices announced. 		tons before beginning of 1978/79 season, including a		barley, corn, sorghum, upland cotton, and wheat planted for
October 13	 Revised 1976 loan rates upward and announced 1977 loan rates at 		special international emer- gency food reserve of up to		harvest in 1978. Feed grain farmers who divert
	the same levels: corn, \$1.50; sorghum, \$1.43; barley, \$1.22;		6 million tons to be created. Intention to implement a 20-		acreage equal to am additional 10 percent of their 1978 plant-
	oats, \$0.72; rye, \$1.20; wheat, \$2.25.		percent set-aside for 1978 crop wheat. Possibility of		ings of corn, sorghum, and barley for harvest will receive
1977			need for 1978 feed grain set- aside at 10 percent men-		a payment based on normal production from total plant-
February 23	 1977 target prices announced: mm \$1.70; sorghum \$1.62; bar- 		tioned. - 1977 feed grain loan levels		ings of those crops. Payment rate is \$.20 a bushel for corn,
April 4	ley \$1.39; and wheat \$2.47 Established a farmer-owned 3-		increased: corn to \$2.00; sor- ghum to \$1.90; barley to \$1.63; and wate to \$1.03.		 \$.12 for sorghum and barley. Loan and target prices announced for 1978.
	year wheat and price reserve program for 1976 crops under	September 29	The Food and Agriculture Act of 1977 signed into law.		Loan rates: corn, \$2.00; sor- ghum, \$1.90; barley, \$1.63;
	loan. USDA would make stor- age payments to farmers enter- ing reserve.		- Announced a 20-percent set- aside program for 1978 crop		oats, \$1.03; rye, \$1.70; wheat, \$2.25.*
	- Loan deadlines extended to May 31, 1977 for 1976 crops.	November 15	wheat Announced a conditional 10-		Target prices: corn, \$2.10; sor- ghum, \$2.28*; barley, \$2.25*;
	Feed grain and soybean loans for 1977 crops increased: corn		percent set-aside and the 1978 national program acreage for		wheat, \$3.00 for allotment wheat, \$3.05 if allotment
	to \$1.75; sorghum to \$1.70; bar- ley to \$1.50; oats to \$1.00; rye	December 1	corn, sorghum, and barley. Final rules for set-aside per-		underplanted Wheat will be purchased to fill
	to \$1.50; and soybeans to \$3.50. Interest rates on com-		mitting grazing set-aside for @- month period.		220-million-bushel inter- national emergency food
	modity loans reduced from 7½ to 6 percent.	Decamber 6	 Grain reserve program expanded to include 1976 and 		reserve (pending legislation). Beginning May 1, farmers can
	 Farm storage facility loan interest rate reduced from 7% 		1977 feed grain crops as well as 1977 crop wheat.		place 1977 crop corn and sor- ghum in the reserve program.
	to 7 percent; maximum loan increased to \$50,000, down-	1978			 Loan and target prices for 1978 crop rice increased to
	payment requirement cut from 30 percent to 15 percent.	January 12	 Announced target price levels for 1977 barley (\$2,15) and 		\$6.40 per cwt. and \$8.53 per cwt., respectively.
June 2	 Proposed that cooperatives be eligible to participate in price 	February 6	grain sorghum (\$2.28). Permit early entry into grain	April 21	 Feed grain program signup extended to May 15.
	support loan program on behalf of their members.		reserve (March 1, 1978) for 1977 wheat, barley, and esta under loan.		* = preliminary.
July 20	 Expanded farm facility loan storage program to include loans for building wet storage 	February 8	- 10 percent feed grain set-aside confirmed. Annual storage		
	structures by dairymen and livestock feeders who need		payment rates for menrou pro- gram raised to \$.25 per bushel		
A	storage for high moisture feed. - Wheat and feed grain loans		for wheat, corn, sorghum, bar- ley, and \$.19 for this.		
August 15	scheduled to mature extended to October 31, 1977 at the	March 1	- Established emergency reserve		
	option of the producer.		for disaster relief.		

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